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Now - Black Chutney - a dramatic new

How to choose your piano

Watch your child's face as she listens, and you will know why music is like sunlight on the human soul, essential to your home.

Few can deny that a piano is the ideal instrument to encourage and enrich your family's enjoyment of music. It supplements all other means of appreciating music and adds physical grace and dignity to the home. The question is, which piano shall you buy? This is a major decision, for the purchase of a piano is for the average family a once-in-a-lifetime investment.

If there were only one word to describe what to look for, that word would be quality. The more perfect the quality of the engineering, the materials and the workmanship, the more dividends will your piano net you in pleasure and service. There are five basic points to consider carefully when you are determining piano quality:

Tone Regardless of whether or not you have had any musical training, the tone of the instrument should be pleasing to your ear. Good tone quality is pure and resonant, and rings out clearly whether you press the keys softly or strike them hard. Each note on the



"a piano adds grace
and dignity to the home..."



keyboard should have a consistently rich and pleasing quality.

Touch Touch translates the downward pressure of your finger on the key into the sound you hear. Every key should respond quickly to each variation of finger pressure. Moreover, every key should be back in position to play again the instant you lift your fingers. Touch is particularly important to beginners, for sensitivity of touch makes learning much easier.

Style Select a size and style of piano that will fit in with your living room. The case should be of authentic design, so that it will retain its beauty through the years, without becoming "dated." Examine the finish, and assure yourself that it protects the surface and enhances the beauty of the casework.

Durability The endurance of your piano will depend largely on the superior quality of its materials and craftsmanship. A piano should be made of the finest woods, seasoned for several years, both in the open air and indoors. Bear in mind that an instrument

which is known for its fine quality has a high resale and turn-in value.

Reputation Reputation is important because it is always earned. Note the manufacturer's name on the fall-board. Is it an honorable and established one, a name you will be proud to have on display in your home? Does the instrument have a wide and enthusiastic acceptance among concert artists and other discriminating musicians? Remember that a guarantee is only as good as the organization behind it.

Which piano, you may ask, has all five quality features in the greatest degree? The answer is the Steinway. Its vast superiority of tone, action and durability has won it the acclaim of nearly every celebrated musician of today. In terms of value received, the Steinway, whether Grand or Vertical, is the most economical of all piano investments. For further assistance in the selection of your piano, write to STEINWAY & SONS, Steinway Hall, 109 West 57th Street, New York 19, N. Y. Telephone CIrcle 6-1100.

House & Garden Contents for July, 1950

In this issue





ALEC WILDER

HELEN DANFORTH LOVELL





HOPE HAMMOND

IGOR B. POLEVITZKY

ALEC WILDER can write a popular song (Trouble is a Man, It's so Peaceful in the Country) as readily as a cantata, Born 43 years ago in Rochester, New York, educated at its celebrated Eastman school, he holds emphatic views on modern music (p. 49), describes himself as an urban type. HELEN DANFORTH LOVELL considers herself an amateur farmer even though she raises herbs commercially and lectures and writes on them (p. 84). A professional decorator and designer, she enthusiastically practices the household arts, lives on an RFD route near Woodstock, Vermont. HOPE HAMMOND is not only the mother-in-law of Mary Martin (page 39) but a professional designer of furniture and furnishings, on which subject she has also written articles. Born in Gallipolis, Ohio, she lived in nine states before settling in Connecticut to be near her famous family. IGOR B. POLEVITZKY, son of an electrical engineer and a woman surgeon, came to America in 1922 as a refugee from the Russian Revolution. Now one of the busiest architects in Florida, building houses, hotels, apartments, offices, his style evolved from its climate and topography (p. 52). ON THE COVER: Steinway Baby Grand photographed at Manor House by Horst. Décor by Allen McGehee. Dress, Ceil Chapman; pearls, Richelieu.

MUSIC	
Music is a part of good living	34-35
Antique harpsichord	
Modern piano	
Uncontrary Mary Martin by Hope Hammond	
Musical instruments	
Music on the school curriculum by Elva R. Heylmun	42
Jarmila Novotna sings to her son	43
Television: your theater at home	
Television in a traditional room	
Television in a French Provincial room	46
Television in a modern room	47
Music of India	48
The state of jazz by Alec Wilder	49
Be kind to your piano by Gyorgy Sandor	50-51
Make the wall a part of the party	86
Children's records	
ARCHITECTURE AND BUILDING	
House wrapped in a plastic screen	52-57
Be wise about windows	
GENERAL	
Picnic on wheels	64-65

GENERAL	
Picnic on wheels	64-65
The elastic inch: new furniture	70-71
Air-minded furniture	72-73
Hawaiian color for a July lunch	74
How to use your freezer by Marian Maeve O'Brien	75-77
Portugal	78-79

GARDENING

Sissinghurst by V. Sackville-West	58-63
George Washington's herb and kitchen garden	80-83
Primer on herbs by Helen D. Lovell	84-85
A dry compound for crabgrass, by J. Wilkins Lentz.	110
Gardeners' gear	111, 114
Spray crabgrass by J. A. DeFrance and D. E. Wells.	113

SPECIAL DEPARTMENTS

Travelog	3
Shopping Around	
Mechanics of living	
Tumo with a corksorow	99.03

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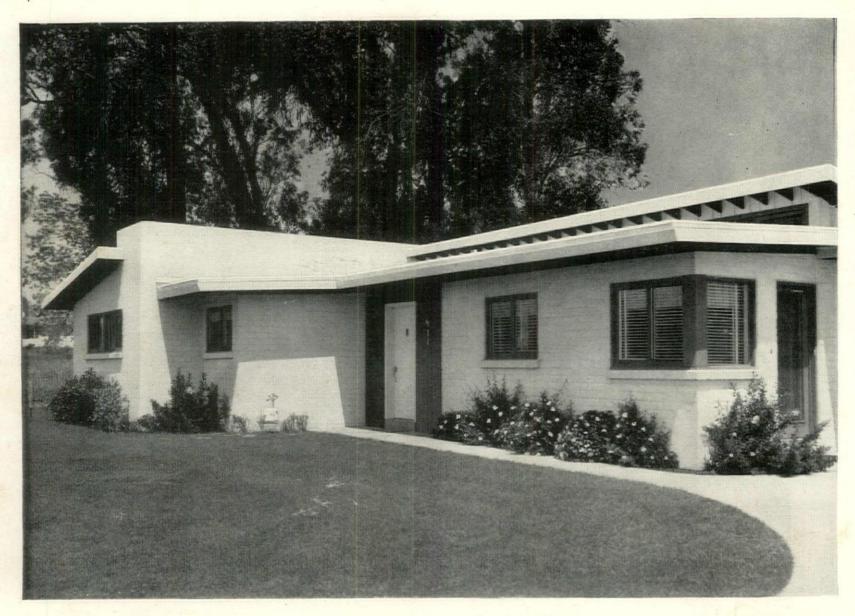
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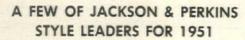
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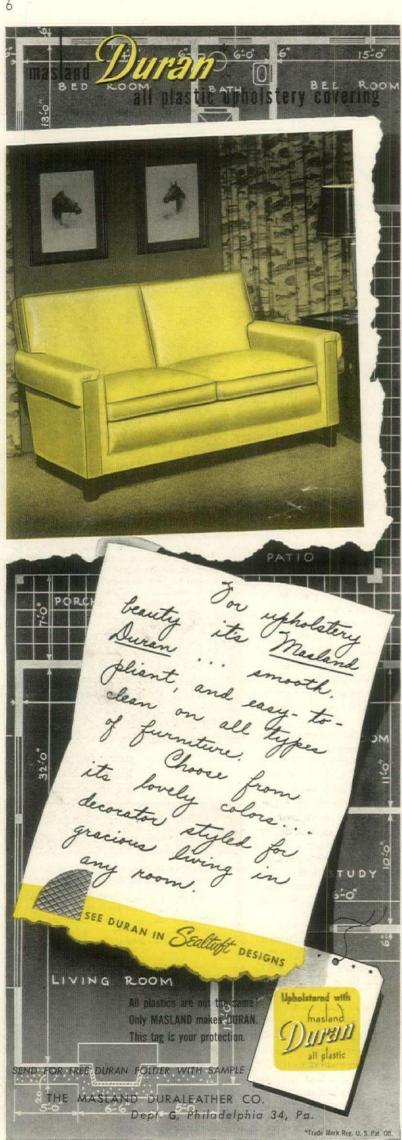
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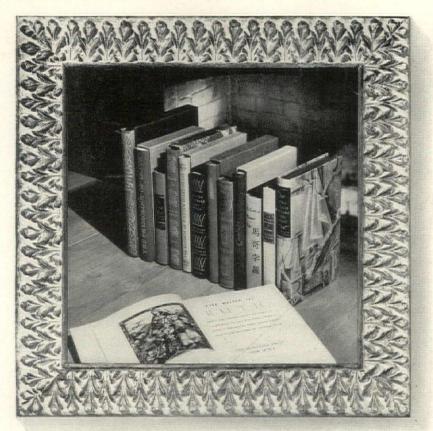
CINCE more and more companies are making phonographs that play all three speeds (45, 331/3 and 78 rpm), the problem of choosing your records has practically disappeared. An exception to the three-speed machine is RCA Victor's amazingly compact little phonograph which plays 45-rpm records exclusively. Its small scale, ease of operation and the gaily colored, nonbreakable records it plays recommend it highly as a children's machine; and should you decide

to throw your child's fate in with Victor's, it will leave you with plenty of choice in records. There is, to begin with, Cinderella, based on the Walt Disney film, and adapted to the Little Nipper Series. This means that the album includes an illustrated story book in which the words are printed exactly as they occur on the records. The Cinderella album is, as you can imagine, illustrated with shots from the film (Album WY-399; \$2.68). Another Little Nipper album is The Brave Engineer, again based on a Walt Disney film. It is the pleasantly foolish story of Casey Jones and the Western Mail, as sung and told by Jerry Colonna (Album WY-400; \$1). Adventures in Mother Goose Land, another in the same series, contains 15 familiar Mother Goose rhymes set to music and sung affectionately by Jack Arthur with The Song Spinners (Album WY-34; \$2.68). An agreeable method of teaching your child the difference between one musical instrument and another is to let him listen to Little Black Sambo's Jungle Band and Pee-Wee, the Piccolo. The first is a variation on the traditional Little Black Sambo story in which the hero walks into the jungle in his new clothes and meets a number of friendly animals all of whom play instruments (Album WY-334; \$1.68). The second is about a likeable, if nervous young piccolo who is supposed to play a solo and loses his music (Album WY-344; \$1.68). (Continued on page 11)

Prices include Federal excise tax.

RCA VICTOR'S 45-rpm automatic phonograph has a maroon base, gold-finished top and a red turntable mat. An appropriate size for children, it is easy to operate, plays RCA Victor's 45-rpm non-breakable records. It has an amplifier, loudspeaker, plugs into any 115volt AC outlet; about \$30.





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most popular volumes which have for years been out of print—and fetching high prices in the resale market. Because the books have not yet been printed, it is possible for the directors of the Club to increase the number of copies; and, for that reason, the directors invite one thousand interested people to come into the membership at this time. If you apply for one of these new memberships (and in time to get one of them!), you will obtain books like these:

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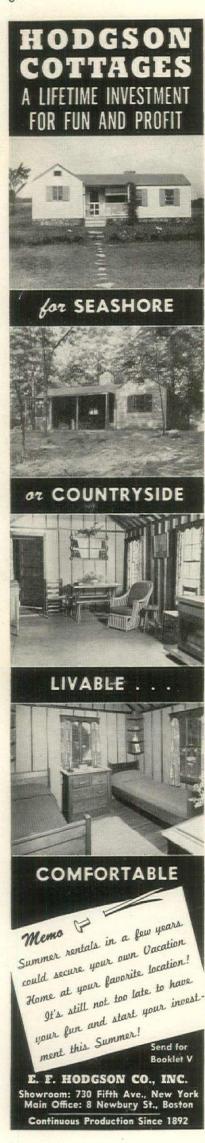
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CADILLAC MOTOR CAR DIVISION

GENERAL MOTORS CORPORATION



RECORDS continued from page 6

Four new Columbia Long Play children's records have come our way since December, when we last reviewed records for the young. The most interesting to parents with pre-school children is probably one which describes exactly what a child can expect on The First Day at School. Aimed at helping youngsters over one of their most difficult hurdles, it offers an entertaining as well as instructive musical picture of what the classroom, teacher and lessons are like.



EDUCATION FOR CHILDREN

Dinah Shore, whose voice should soothe almost anyone, acts as narrator and sings 11 simple but catchy songs (Record MJV-66; \$1.25). On a more exciting level is Tiger, in which the late Frank Buck enacts the capture of a tiger on the Malay Peninsula, explaining in detail what lies behind bringing the animal to the safe confines of a cage at the zoo. Tiger is on the same record as Champion, which as every child old enough to go to the movies knows, is Gene Autry's horse. Here the story is told of how Mr. Autry met, tamed and made his own "the horse no man could ride" (Record JL-8012; \$2.85). Another Gene Autry story, Stampede, is coupled with Slugger at the Bat, the baseball story featuring Jackie Robinson and Pee Wee Reese which we reviewed at Christmastime. Stampede, as its title indicates, concerns cattle in the Wild West and contains all of the traditional Autry movie ingredients: cattle rustlers, chases, gunplay and, of course, Mr. Autry's songs (Record JL-8009; \$2.85). The last record contains The Glooby Game, in which Chris, a highly imaginative little girl, plays with the mailman, milkman, policeman and grocer, pretending that they are clowns, cowboys and other more colorful characters than they really are. On the other side is Chummy, Your Record Playmate, which invites the listener's participation. We recommended it last December, and we now do so again (Record JL-8011; \$2.85). Prices include Federal excise tax THRNTABLE









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Cenifer House





SHOPPING

All merchandise shown on these pages, editorially or in advertisements, may be ordered by writing directly to stores. Most prefer not to handle c.o.d.'s, so please enclose check or money order. All firms, except those selling personalized services, agree to refund full price of any item returned by unsatisfied readers.

An amusing new planter: the cat and the canary. A spor-

tive fellow, the cat, with a satisfied grin, a bow tie and a little canary in his innards. 161/2" high, 91/2" wide; cage has a removable metal base for plant arrangement, \$4.25 ppd., without plants. Page & Biddle, 21 Station Rd., Haverford, Pa.



Summer time, winter time

will pass happily if measured by the sundial in the hands of this little cherub. Charming decoration for the rose garden, the green garden, the lily pool. Of weathered green Pompeian stone, 36" high, \$135 ppd. From the Pompeian Studio, 169 Lexington Avenue, New York City.





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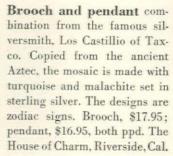


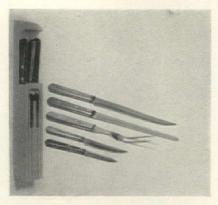


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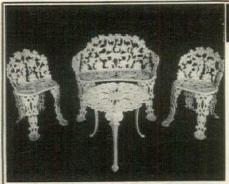
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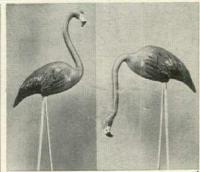


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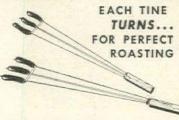
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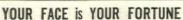
at the beach or right in your own back yard, with this port-

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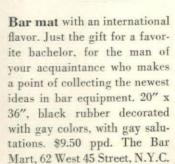
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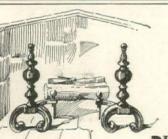


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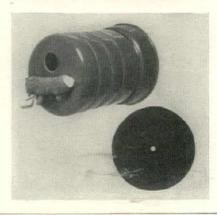
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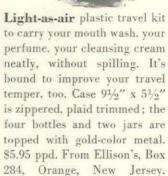
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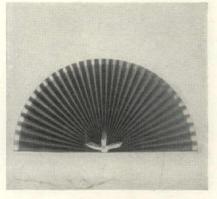
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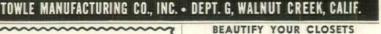
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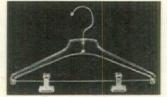
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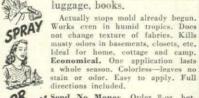
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Special By Mail Offer 1 A PAIR Unusual Value! New, dif-ferent rubber gloves for house-and-garden uses. Pro-tect hands and manicure

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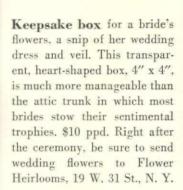
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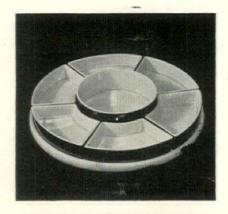


SHOPPING AROUND

Lazy Susan for lazy summer days. Of polished oak, 14" in diameter. The seven removable compartments are pottery in black, yellow, emerald or chartreuse. Wonderful for buffet meals, for cocktail tidbits, or for a giant assortment of condiments. \$9.95 ppd. Hempstead China Shop, Hempstead, N. Y.



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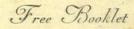


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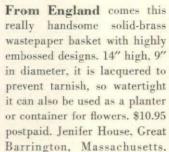
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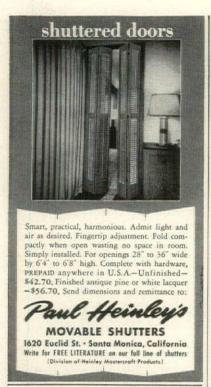
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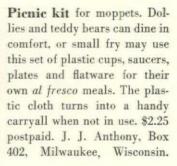
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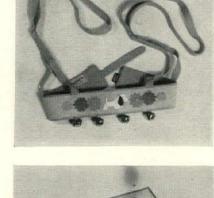
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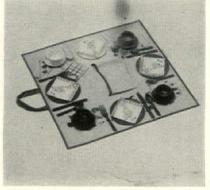
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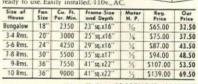




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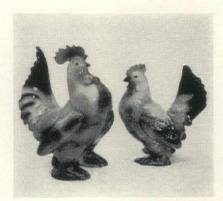
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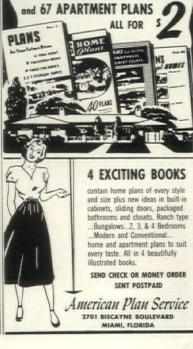
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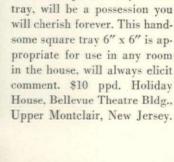
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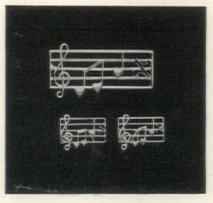
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A song in your ears, in your



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NEW EASY WAY

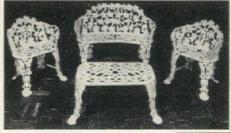
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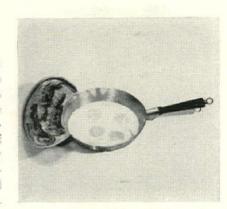
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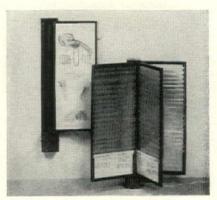
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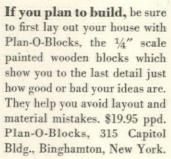
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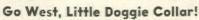
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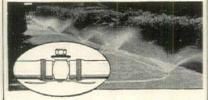
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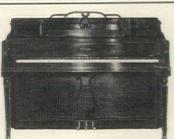
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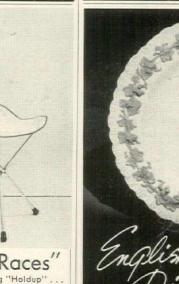
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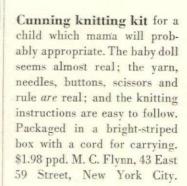
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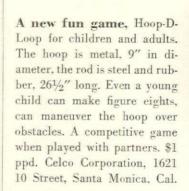
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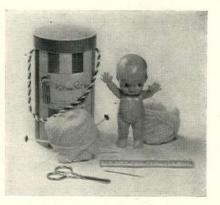
SHOPPING

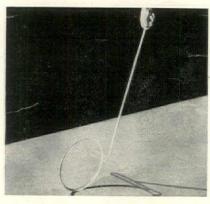
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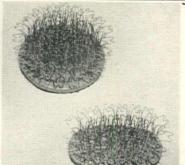


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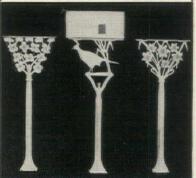
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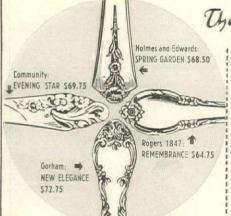
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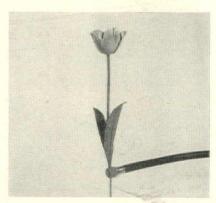


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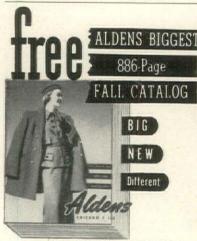
Mary, Mary quite contrary how does your garden grow? With good rich soil, and plenty of toil and water sprayed from a hose. And this tulipshaped garden spray will help lessen the toil. Of non-corrosive metal in flower-garden colors, it sells for only \$5 ppd. From Edith Chapman, 50 Piermont Avenue, Nyack, New York.



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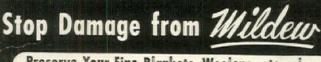
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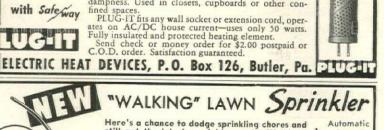
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This SELF-insulating window

Eliminates storm sash!



Window illustrated is made by Chicago & Riverdale Lumber Company, Chicago 27, Illinois.

Looks like an ordinary doublehung wood window, doesn't it? That's one of the good things about it—an *insulating* window that not only looks like, but *works* like regular sash.

But instead of having single panes, it is glazed with *Thermopane** insulating glass—a double-glass unit with dry air hermetically sealed between the panes. With this kind of window you can enjoy the extra comfort and fuel savings of double glazing without all the expense and bother of storm sash.

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So plan on this most modern kind of glazing, Thermopane double-glazing, for every window in your new house. You don't have to buy storm windows, and you save all the expense of fitting them, painting them, hanging them and maintaining them through the years.

Thermopane is made in more than 80 standard sizes, as well as special sizes, for use in all types of sash—double-hung, casement, picture windows and other styles—made of either wood or metal. Your L·O·F Distributor can furnish full information. Or write to Libbey Owens Ford.



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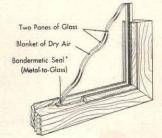


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With this issue, House & Garden inaugurates a program of features about music.

In every issue, throughout the year, our readers will find music discussed in its many phases.

Music is a part of good living

Like the flowers in your garden, the paintings on your walls, the food on your table, music is a part of good living. When you are alone, it is your companion, speaking only to you. When you give a party, it keys the spirit of the evening. As you read this issue, you will get an idea of how much music there is over the length and breadth of this country. Like Walt Whitman, you will hear America singing, to say nothing of playing a whole orchestra of instruments. Your own share in this symphony may consist of turning on the radio to catch a little Berlioz-with-breakfast, or dancing to the latest tunes at the country club. You may be the kind of concert-goer who, if you enjoyed the program, will bring it home permanently in the form of recordings. Or you may be one of the millions of amateurs who like to give impromptu performances on anything from a clarinet to a zither. We show you children who are growing up with music and artists in domestic moments. We bring you ideas for decorating rooms around the new radio-and-television sets. We show you a cross section of instruments within the reach of anybody's pocketbook. Finally, we offer some useful hints on the care of your piano and a critical piece on the state of jazz today.

Opposite

In pursuit of music . . .

Like the pursuit of happiness, music is an American birthright.

From coast to coast, Americans start and end their days with music.

In Chicago, which surprisingly enough produces more harps than any other city in the world, future harpists come to Lyon & Healy for lessons from Mme. Marie Ludwig, rent Lyon & Healy harps for home practice. In this way an instrument once primarily reserved for angels has entered the lives of many mortals.



Made more than a century apart, but part of today's living

Above: AN IVORY PLAQUE on this satinwood harpsichord announces that it was made in Paris by Pape. The serial number places its date about 1810, making it one of the first upright harpsichords. Yet today, Mr. and Mrs. Frederick P. Victoria enjoy its beauty and its music; the whole family plays it constantly.

Opposite: THE CLASSIC LINES of a Steinway grand take to modern design with surprising ease. The late Gilbert Rohde originally designed the taut metal base and Mr. George W. W. Brewster, Massachusetts architect, made certain refinements in the case work when he decided to use it in the living room of his house in Brookline.





Uncontrary Mary Martin

An affectionate portrait of America's favorite singing-actress, the star of "South Pacific"

By Hope Hammond, Mary Martin's mother-in-law

Mary Martin's vocabulary would not be diminished a whit if the first person pronoun "I" were removed from the English language. Following 11 years of happy relationship with Mary, I tried to set her unusual nature into a biographical pattern; but I reached a dead end. Mary might have been Venus risen from the sea, so little of her ancestry had she revealed. Through search, it was established that she is mostly of Scotch descent, with a trickle of Irish through her mother's family. The Scotch Martins and the Scotch-Irish Presslys (Mississippi and South Carolina families) migrated to Texas, both families settling near Weatherford. They did not know one another, however, until a handsome law student, Preston Martin, on his two-wheeler overtook black-eyed Juanita Pressly, also bicycling, and inquired: "Aren't you the little fiddle teacher?" At 17, gifted Juanita Pressly was the head of the string instrument department of Weatherford College. It is said that from her mother Mary inherited her musical talents. Her joyous nature, her genius for making friends, her infallible memory and quick, active mind, are a direct heritage from her father, a successful Texas lawyer. When I first met her in Hollywood (after her Broadway success singing My Heart Belongs To Daddy in the musical comedy, Leave it to Me) she was a frustrated motion-picture star, as nervous as a Mohammedan mullah, vowed to incessant whirling under the direction of a dozen disparate directors. But then she appeared on Broadway in the musical play One Touch of Venus, in which she emerged from her Hollywood cocoon as the top glamour girl of the Hellenic age. Despite her success she has remained delightfully uninhibited. She has no affectations, no company manners. Should an unexpected caller enter her garden and find her face a blob of cold cream, the caller might say, "I am so sorry." Not Mary. The cream really magnifies a radiant smile of welcome. Her friendliness exceeds her joy in beautiful things, even clothes which she adores. But her taste is quite restrained. As her young daughter, Heller, recently said: "Mummy likes trees better than diamonds." Yes, the legend that Mary's rare charm reaches from the stage to individuals of her audiences and that she plays to each one, is true. Believing that every seat holder is entitled to the best that she can give, Mary never slips through a show, although handicapped at times. Audiences were not aware that due to torn ligaments, one of her legs had to be medically "frozen" before each performance for a week. Nor did she escape the Virus X epidemic last winter. Two doctors often treated her until curtain time. One of those nights, a man was heard to say to his companion as they left the theater, "It must be grand to be as healthy as Mary Martin." A lacerated leg did not prevent the exuberant Nellie Forbush from dancing with joy about her Wonderful Guy, but should Mary Halliday's feet tire at home she walks out of her shoes, regardless of guests. She brings home a wealth of news from the procession of friends and admirers that pass through her dressing room. But her conversation never begins "I"-

"I am," because she sees, hears and speaks beyond the first person singular.

Opposite

Mary Martin sings for her daughter

Every afternoon, before she leaves for the theater, Mary Martin (in private life Mrs. Richard Halliday) supervises her 8-year-old daughter Heller's piano practice and homework. Heller, who has mastered the words and music of Dîtes-moi pourquoi, wants a chance to sing the little girl's rôle in the Rodgers-Hammerstein hit, South Pacific. She firmly believes that her mother is blocking her stage career. Mary Martin who recently recorded songs for children (shown here), turns over her royalties to the Mary MacArthur Memorial Fund for The National Foundation for Infantile Paralysis. This memorial to the talented daughter of Charles and Helen Hayes MacArthur will provide respirator-research centers for victims of the kind of polio Mary had. This photograph taken in the Hallidays' Connecticut house shows a collection of Canton china plates ranged on a Magnavox.





The case for

music on the school curriculum

By Elva R. Heylmun, Chairman of music, National Congress of Parents and Children

One of the most important parts of a child's education is musical training, as most parents who have progressed beyond the Dark Ages of child psychology know. For far too long, music was considered in terms of accomplishment by the talented few, rather than as an integral factor in the total development of every child. Today, we see people everywhere expressing themselves through music as a normal part of their daily living. The parent who feels that his child doesn't need any music because he himself never had it (and got along all right) is depriving his child of something that can contribute a great deal of satisfaction to his life. He is also denying a basic American concept. Almost every parent works, and many of them make sacrifices so that their children's attainments may surpass their own. Dr. Alexander J. Stoddard, superintendent of schools in Los Angeles, California, points out that music makes good citizens because it is an outlet for emotional tensions and a means for self-expression needed by every child. It is a wholesome activity that eliminates any desire for anti-social behavior. He feels that the ability and enjoyment derived from playing musical instruments helps teach democracy, since music knows no class, creed or racial distinctions. Music helps bind people together in the home, the community, the nation and the world. It makes for better relationships everywhere. Of course it is no new idea that music contributes to a child's social life. If he can play an instrument, even passably, he is welcomed everywhere for the fun and spontaneity he can contribute to any gathering of youngsters. Careful studies by many educators have shown that music can even increase the child's I.Q. because it teaches him to concentrate. This ability is carried into his other studies. It is not uncommon to find a 10 point increase in the I.Q. of a child after he has had a year's musical training. When should musical experience begin in a child's life? The late Louise Robyn, a prominent authority on child training said, "My experience has shown one important fact-that all normal children of preschool age show a well-defined aptitude for music, if one can meet and teach them on the plane of their understanding. Note that I say aptitude, not talent. Some have talent; all have aptitude." So it becomes the great privilege of the parent to guide the child in his infancy to the enjoyment of expressing himself by imitating the world he knows through music. Music then becomes a living thing to the child and establishes a pattern of expression and enjoyment for the rest of his life.

The most reassuring thing that is happening in the educational life of America today is the expanding of the school music program. (Continued on page 102)

Opposite

Jarmila Novotna sings Czech songs to her son

To remind him of his Czech heritage, the gifted
and beautiful soprano, Jarmila Novotna
(who is Baroness George Daubek)
likes to sing her native folksongs for her son,
accompanies herself on a Knabe. To her great pleasure,
Georgi is himself a musician who shows
considerable talent as a pianist and
practices, without reluctance, every day.



This new dimension in entertaining suggests a new approach to decorating

From now on, "a night at the opera," concert or theater is more apt to mean a seat in your own living room than in the Grand Tier. Television has worked this change. Since you are now responsible for the setting of your theater at home, it behooves you to see that it has something of the glamour you associate with theater-going. To achieve a gala mood you will want harmonious colors, comfortable chairs (possibly the excellent ones which swivel), a cushioned carpet, a galaxy of small tables for ash trays and drinks, conveniently placed. For its part, television is creating increasingly good programs to inspire your decorative efforts. To us, it seems that opera is the field of music which opens the most exciting new vistas for this medium. During the past year both CBS and NBC have experimented with opera, tailoring it to meet the requirements of the home screen. For example CBS presented Carmen and La Traviata; NBC has sponsored Madame Butterfly and The Tales of Hoffman. Response to these productions was so enthusiastic that they can be definitely counted as harbingers of a larger operatic future for television. It is interesting to note that though audiences in auditoriums are still debating the question of opera-in-English, the television audience is solidly in favor of opera-in-English. This would seem to prove that in the friendly, familiar confines of our own living rooms, we like to know what is going on. Having established itself as a favorite guest and an accomplished one, we expect this delightful newcomer, television, to speak our language.

Opposite

Television takes to traditional decoration, modern color

A twentieth-century invention wears an eighteenth-century mien in this RCA Victor combination of television, radio and record players in a mahogany case which provides room for record storage (\$795). Against bittergreen walls, chairs are strikingly covered in "Porcelain" leather from The Upholstery Leather Group and the couch is upholstered in Scalamandré chartreuse cotton velvet.

Kaplan Beacon Hill furniture from Altman's, New York, Anemones are seen against the background of Bigelow-Sanford's "Cassandra" carpet, also at Altman's.

Further shopping information on page 107.

For more television rooms see next two pages







HAANEL CASSIDY

OTTOMANS LINE UP TO FACE TELEVISION SCREEN

Above and right

A modern party room for music and games

In this long, narrow room, lightweight ottomans, upholstered in Schumacher material, face the Admiral television-phonograph, \$775 (which is set against a wall covered in Authority Line Fabric). They move easily to the Everett "Regency" piano, \$850 with bench, right. Eames chairs draw up to a card table. All furniture by Herman Miller. "Skyline" carpet by James Lees.

Opposite

Television fits into a French Provincial room

Bodart's graceful furniture contributes to a flexible arrangement which can focus either on the sofa or the Du Mont "Hanover" television set (\$595). This set, in a blonde wood cabinet, gives FM reception on all channels, can have a record player attached. Gulistan "American Provincial" carpet copies an antique.

Please turn to page 97 for further shopping information.



THE PIANO IS A CENTER OF ATTRACTION



The state of jazz

By Alec Wilder, composer, who looks at "bebop", finds it wanting

The subject of jazz literature has had such competent coverage in both books and articles that I am making no attempt to add to it here. I am merely trying to evaluate the over-all contribution of the various phases of so-called popular music. For today we have come up against a new approach. For the first time, the public is being asked to listen to popular music as it listens to serious music. "Bebop," its champions maintain, has become serious music. This claim I take the liberty to question. Before the First World War, the urge to dance and the song of the day were mainly responsible for the existence of dance bands. Until the emergence of jazz, these bands played with little more than vigor and a strong beat. On the early records we find such groups as The All Star Trio (piano, xylophone and saxophone), The Six Brown Brothers (six saxophones), The Joseph C. Smith Orchestra (a predecessor of the Meyer Davis-like bands of today). The musicianship was negligible, the orchestrations nonexistent, but the beat was steady and the tune played strictly. Then, as jazz asserted itself in recordings which are now considered collectors' items, the tune retreated and the ideas of the performer advanced. At the same time the "paper" bands (those which played special orchestrations) became increasingly popular. They added brass and woodwind instruments, shifted from banjo to guitar and began to attract the attention of legitimate musicians and composers. Paul Whiteman was certainly a pioneer in this field. Other contributors have been Isham Jones, Benny Goodman, Duke Ellington (an astounding mixture of prepared and improvised music), Tommy Dorsey, Ray McKinley, Woody Herman, Boyd Raeburn, Dizzy Gillespie and Stan Kenton. These bands represent landmarks in style and technique. They did and still do employ soloists who improvise (in other words play from inspiration rather than the written note) but their music has been primarily the expression of the orchestrator or "arranger."

In contrast to these "paper" bands there are the more devout groups which play solely from inspiration. They include the contemporary "progressive" and "bebop" sets which are frantically concerned with developing new revolutionary forms. These bands are now being promoted in terms of their listening value. It is my belief that although they attract talented performers and ingenious arrangers (many of whom are better than their symphony orchestra counterparts), this popular music revolution is still unconvincing as an art form. Whether it ever becomes one or not is problematical. I must admit that I find most of it momentarily (Continued on next page)

Opposite

Music of India sinuous and insistent

Hindu music is as insistent as the beat of the drummer on the *khole*, as undulating as the melody of the trumpet-like *dhutka*. It is closely related to Hindu dances typified here by Dipti, a dancer in Uday Shankar's ballet which last winter paid its first visit to America since the war. Dedicated to the task of presenting India's art and culture to the world, these dancers and musicians are educated not only in their own fields, but in their country's cultural heritage, religion and philosophy.

(Continued) stimulating, but upon repeated hearing, it seems to me pretentious, callow and derivative. Rhythmically, it is not only ingenious, it is frenetic. It often employs highly complex Latin percussion instruments and rhythms as well as the often argued-over methods of the late Mr. Joseph Schillinger (author of Schillinger's System of Musical Compositions), who taught many contemporary "arrangers" how to write music by means of mathematical formulas. I can only say that I know a student (of a student) of Schillinger who once told me, "Isn't it wonderful! I wrote the whole piece without thinking!" I don't mean that this is typical. Orchestrators like Eddie Sauter have produced a new, legitimate sound, often exciting, always professional. A sincere, well-schooled "sound-making" orchestrator, Pete Rugolo, a representative of the avant-garde, has proved his capacity to handle all kinds of ensembles excitingly and professionally even though, to me, he fails when he composes.

I have avoided defining "bebop" much as a lukewarm churchgoer might refuse to define religion. But I can offer this as a
definition of contemporary "progressive" bands. They are primarily derived from serious composers insofar as their orchestrations are concerned. Rhythmically, they derive in part from
Latin music, in part from a doubling or quadrupling of whatever basic rhythm they are playing to; harmonically, they employ a kind of "I'll-be-original" polytonality which may be found
better stated in any score by Stravinsky, Milhaud, Prokofieff,
Shostokovitch, and in weak moments, Richard Strauss. Melodically, the flatted fifth, the classical appoggiatura and the simultaneous use of different keys by the solo instrument and the
rhythm section are characteristics of "bop." Also, a few ironbound "riffs" (melodic figures) which, upon repetition, bear all
of the earmarks of clichés.

While "bop" or its equivalent has caught the public's fancy, there have been many performers of the swing era who have staged a counter-revolution and set up recording sessions and night spots for themselves; I suspect that I am of their era. But I find their ideas and conceptions more nourishing, more musical and more professional than those of the "bop" boys.

The music that I believe we have a right to demand is mature, professional, improves-with-age music. But the "bop" musicians assume that if they can excite an audience they have fulfilled their mission. To me this is deplorable, since excitement is perhaps the most temporal of all emotions. We demand it of carnivals, prize fights, baseball games and a hundred other forms of entertainment. In a concert hall, it is not sufficient. Though sincere and enthusiastic, these leaders are musically immature. When they do grow up, they will warrant more earnest consideration.

Be kind to your piano

By Gyorgy Sandor, Hungarian-born pianist

ECENTLY I was invited to a housewarming party. The hostess, whom I did not know very well, was proud of the decoration of her new apartment. In showing me around the living room she explained that a few finishing touches were still needed. "The bookcases, for instance, are an actual part of the color scheme but I still have to order a few more blue books for the upper shelves." I refrained, under the circumstances, from inquiring about the authors. "And the piano," she continued, "is to have an antique Chinese embroidered cover which will hang down and camouflage the fact that the case is not one of the handsomer woods like mahogany or walnut." "Do not disdain the simplicity of ebony," I pleaded. I sat down to try the piano. Guitar tones came from one part of the keyboard and a metallic jangle from another part. First, I removed the ash trays from the piano top. These and similar objects often induce just such sympathetic vibrations. Then I lifted the lid to peer inside. The twangs had been caused by pieces of paper and a fountain pen left on the strings. Delving further I found some bobby-pins, a few tacks, pins and other evidence of a harassed housewife.

ADMIRE the efficiency of Americans, their practical way of thinking, their determination to streamline all the processes of living, including the desire to find the best type of piano and the best way to take care of it. These are important matters; but first I should like to stress the fact that a piano should be treated as a human being. Your piano is as temperamental as a prima donna. If Lily Pons, Risë Stevens, or any other of the ladies of opera were to come to your house, you would not think of asking her to sit beside a steaming radiator or in an icy draft from an open window. Give the same consideration to your piano. It has

more vocal chords than a singer. Atmospheric change affects the human throat and every instrument with strings, of which the piano is one. It needs a competent tuner-technician as regularly as the four seasons succeed each other through the calendar year. The acoustical societies of the United States, Great Britain, Germany and France, together with tuners', manufacturers' and standards' associations, have adopted 440A pitch. The Bureau of Standards of Washington, D. C., broadcasts the 440A pitch several times a day. You can test your own piano for accuracy.

O o many people in the United States go south in the winter, leaving their pianos in unheated houses, that I should like to caution you about abandoning a sensitive instrument. I have found the following procedure successful: use perfectly dry newspapers, bunch them into balls the size of your fist and place these inside the piano on the strings. Put naphthalene or camphor in four or five small bags the size of tobacco bags. Set these on the gilt plate at intervals with cardboard under each bag. Close the top and the fallboard over the keys. Place blankets on the top and the underside of the piano and tie them with strings. Your piano will slumber cozily while you are away. If you are among those who do not migrate, remember it has been proved that your artificially heated rooms are apt to be drier than Death Valley in California. Yet pianos and fine furniture are expected to remain perfect in this arid condition. Instead of the 15% of moisture or relative humidity in the average room, there should be 40%. The use of a reliable humidifier will protect your possessions made of wood. Never place a piano near radiators, convectors, grilles or registers.

Atmospheric conditions affect even the mechanism of the piano. If you find the action heavy under your fingers, it may be due to the absorption of dampness by the felt or bushing. Also, when a piano is not played often, the same result can occur. The piano needs "easing," and you had better call a piano technician for help as you would call your doctor when you have a fever. With a much-used or old piano, the felt bushing becomes worn. This means that the action needs "re-priming," a highly skilled and specialized job best not trusted to the average piano tuner. Incidentally, the center of a piano keyboard is the most used section and the quickest to show wear in the inner mechanism. The high and low registers, being less used, retain longer the springy action quality which is essential. The very heart of your piano is the soundboard. It swells when it greedily soaks up the 75% to 80% moisture in the air during hot or rainy summer months. A lacquered finish does not prevent this absorption. In turn the soundboard shrinks when this accumulated moisture evaporates in the artificial heat of winter months. These alternating conditions often produce cracks. The soundboard will be weakened, its vibratory capacity diminished and the musical value of the piano seriously damaged. This may appear more alarming than it really is. A competent tuner-technician—accent on both parts of that hyphenated word—can advise you and regulate defects already apparent. Your piano should be tuned twice a year and preferably oftener when it is new and still in the process of adapting itself to its surroundings. During the first year, four times is not too much.

THE interior of your piano should be cleaned from time to time to prevent damage to fine wool felts which are liable to attacks from moths and to prevent corrosion of strings and pins. No oil or polish should ever come in contact with the latter. If the exterior finish of your piano is dull or there are finger marks, use fine cheesecloth dipped in water and well wrung out. Wipe always with the grain of the wood; then a dry cheesecloth will remove any remaining dust particles without scratching the surface. If it has a special finish, consult your dealer as to how you ought to treat it.

For the keyboard a mild solution of alcohol and water is best. The white keys are made of ivory, which turns yellow when continuously kept from light. Therefore, leave the fallboard over the keys up, although the top of your piano should be closed when not in use. All parts of the globe are represented in the materials of a good modern piano. The ivory may come from Africa; the woods from North and South America; the wool felt from Australia; the steel from Pennsylvania; and so on. At one Steinway factory, it takes nine months and 400 workmen to produce and assemble the 12,000 parts which go into the half-ton bulk of a grand piano. It is estimated that many piano buyers spend several months of thoughtful consideration in the investment. Three quarters of all piano sales are made to women. Most pianos are bought for the sake of children nowadays. And the piano should be a family instrument. Use your piano; learn to play it. Americans own more cars than the people of any other nation. They take enormous pride in their cars and are meticulous about the care of them. Many Americans understand the inner workings of the engine as well as the function and operation of the car as a whole. Every intricate mechanical part of a piano has interdependent action, just as do the moving gears of an automobile. No one expects a car to be driven 30- or 40,000 miles without attention. Nor should a piano be expected to maintain itself without adjustments. Be as kind to your piano as to your car. The investment in each is considerable.



RUDI RADA

MR. AND MRS. HELLER, who are avid gardeners, wanted the landscaping for their house to be typically Floridian. Accordingly, architect Polevitzky limited the lawn areas, using sand and gravel instead. Planting is native sea grasses, cacti, sea grape, palm and melaleuca trees. Water from the swimming pool drains into the fish pond, makes a decorative disposal system. Since at sea level you hit salt water by digging a couple of feet, this fresh-water pool is above ground.



Wrapped in a plastic screen

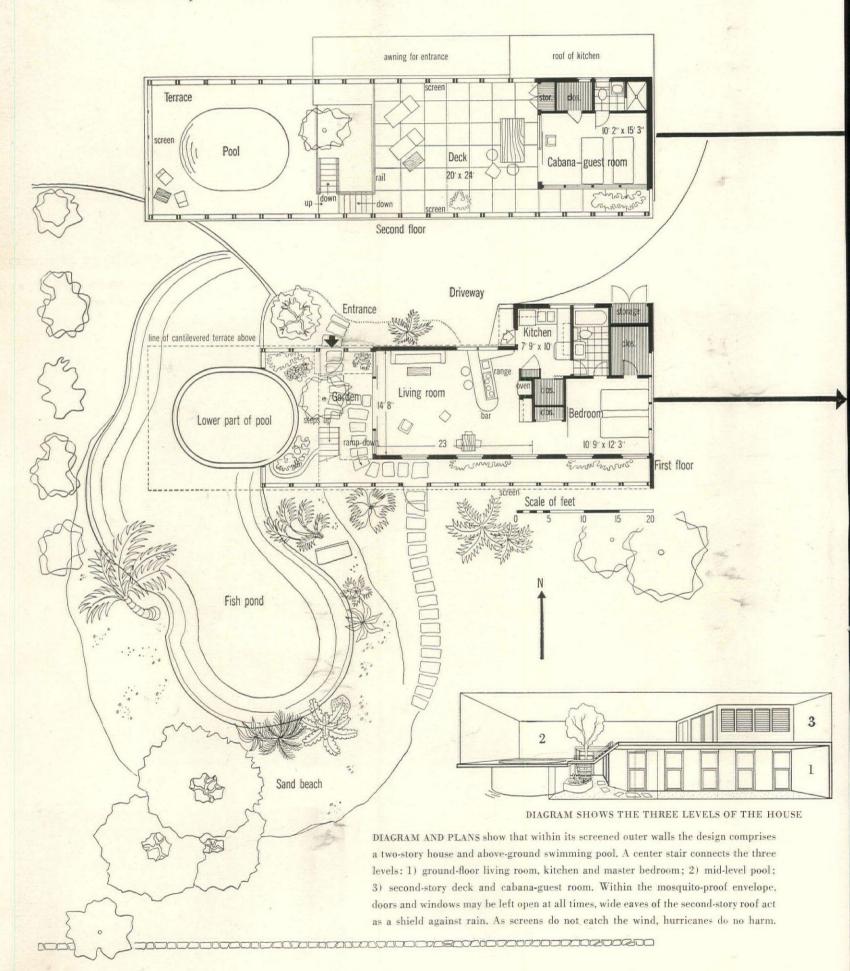
VER since the first Roman built his house around an atrium (patio) and faced a peristyle (porch) to the view, outdoor living has followed the same basic pattern. In Florida, where oranges and outdoor living are equally big business, architects have been seeking new and better ways to make the famous sunshine and sea breeze an integral part of houses. This one, built for Mr. and Mrs. Michael Heller on one of the causeway islands in Miami, reverses the usual approach: instead of opening the rooms to the outdoors, the architect Igor Polevitzky has screened off 20 by 76 feet of land and created varying degrees of shelter inside. The raised swimming pool welcomes sun and breeze through walls and ceiling of Lumite plastic screening. For shade, the deck adds a Cemesto roof (sheets of asbestos-cement); for privacy, rail-high canvas panels. The Hellers can live outdoors at least 350 days of the year; so their living room is small, has one wall of sliding glass toward the garden near the stairs. Bedrooms are completely enclosed, have slatted jalousied windows for privacy and ventilation. For building data on this house turn to page 106.

Around their Miami house and pool,
Mr. and Mrs. Michael Heller
have built a sheath of plastic
screening to bring in the breeze
(but keep out mosquitoes).
Because they run the house
without servants, they chose
materials that require little care,
resist corrosion of salt air.
Walls and floors are concrete.
Self-insulating asbestos-cement
board makes the roof.
Wooden columns are treated
with plastic preservative.
Windows are aluminum alloy.



WITHOUT VISIBLE SUPPORT, the pool terrace and its airy superstructure cantilever out in apparent disregard of gravity. The answer is reinforced concrete, an apt, practical material in tropical, salt air. Fluted, translucent glass marks entrance.

Each room within the screened enclosure takes a different approach to the Florida climate: the pool and its terrace are for sun; the deck for breeze; living room for shelter



THE DECK is the coolest spot in the house and it is perfect for parties. After swimming, guests dress in the adjoining cabana. Canvas panels snapped to the railings provide privacy from the two causeway roads which border the property.

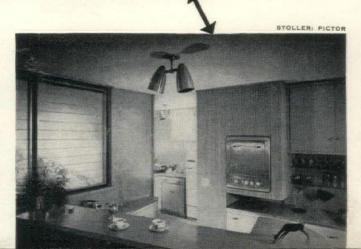


ENTRANCE WAY is sheltered by a high canvas roof and bordered by tropical plants.



THE LIVING ROOM, used generally for dining, becomes a sitting room during the 10 to 15 days of chilly weather in a year. Mrs. Heller usually leaves the sliding glass doors open. There are single-hung windows on the garden side; tilting translucent glass louvers face the street. The mauve and gray harlequin floor is of precast, structural cement squares with a smooth, easy-to-clean surface.

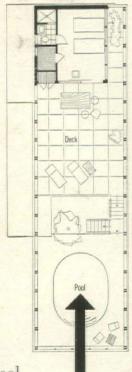
HALF THE KITCHEN is in the living room. Because Mr. and Mrs. Heller both like to cook, they had the Thermador oven and range built in behind the breakfast bar. The kitchen is for storage, dish washing.



56 HELLER HOUSE continued



FROM THE DECK you look down on the pool through branches of a bucida tree rooted in the entrance garden below. Paradoxically the pool is both indoors and out. The taut structure of webbed steel beams and wood columns ties it in with the house; yet sun streams in, breeze sweeps through and trees (planted outside against west glare) add a foliage wall. Pale green screening makes it hard to see in, but yields a view of Biscayne Bay.



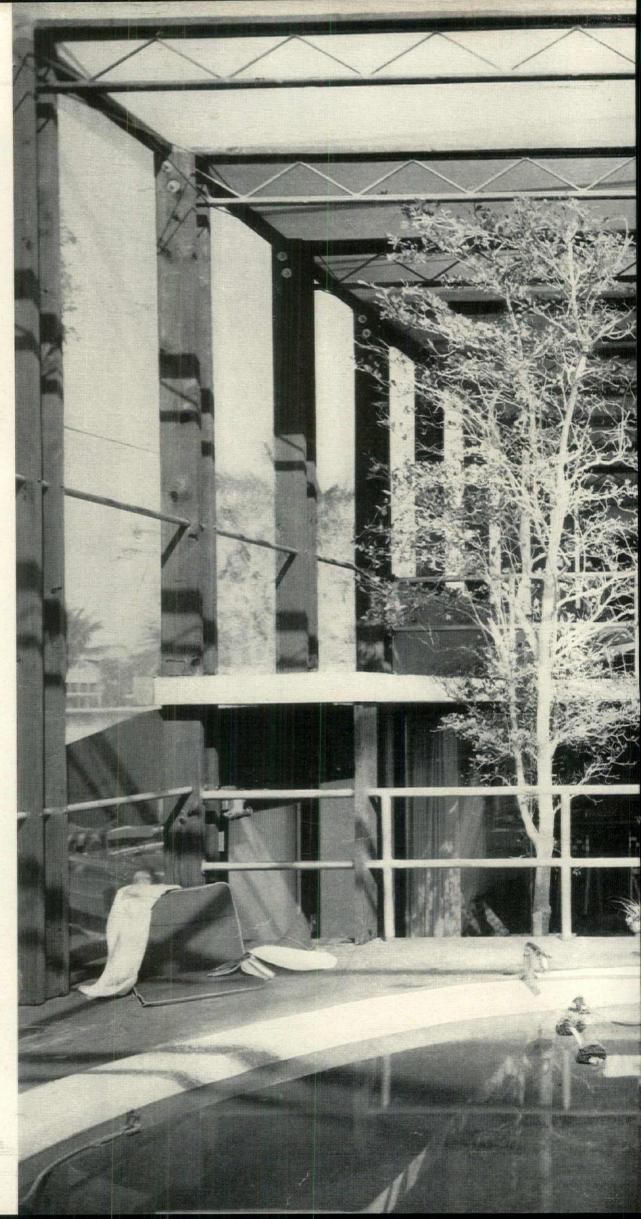
Opposite

The pool

with its enclosure

of Lumite screening

is like another room







Sissinghurst

In the ruins of a Tudor castle,

V. Sackville-West, the author,
and her husband,

Harold Nicolson, writer and diplomat,
have evoked a series of
charming gardens and allées



Castle courtyard: tall yews cast cool shadows on sun-baked stone, sprawling rosemary at right.

Opposite

Brilliant *Eremurus* (foxtail lilies), rise from the Kentish soil like flowering swords, stand vigilant before Sissinghurst Castle's ancient Tudor tower.

The thing to remember about this garden is that 19 years ago, in 1930, there was no garden. The place had been on the market for three years since the death of the last farmer-owner; the buildings were occupied by farm-laborers; and the slum-like effect, produced by both man and Nature, was squalid to a degree. There was nothing but a dreadful mess of old chicken houses and wire chicken runs, broken down spike fences, rubbish dumps where cottagers had piled their tins, their bottles, their rusty ironmongery and their broken crockery for perhaps half a century, old cabbage stalks and a tangle of weeds everywhere. Brambles grew in wild profusion; bindweed wreathed its way into every support; ground elder made a green carpet; docks and nettles flourished; couch grass sprouted; half the fruit trees in the orchard were dead; the ones that remained alive were growing in the coarsest grass; the moat was silted up and so invaded by reeds and bulrushes that the water was almost invisible; paths there were none, save of trodden mud. But it had its charm. It was the Sleeping Beauty's castle with a vengeance, if you liked to see it with a romantic eye; but if you also looked at it with a realistic eye you saw that Nature run wild was not quite so romantic as you had originally thought, and entailed a great deal of tidying up.

It took three years to clear away the rubbish, three solid years, employing only an old man and his son who also had other jobs to do. Neither of them was a gardener; they were just casual labor. It was not until 1933 that any serious planting could be undertaken, but this was perhaps as well, because during those three impatient years we had time to become familiar with the "feel" of the place—a very important advantage which the professional garden designer, abruptly called in, is seldom able to enjoy. A hundred times we changed our minds, but as we changed them only on pa-

By V. Sackville-West

per no harm was done and no expense incurred. Of course we longed to start planting the hedges which were to be the skeleton of the garden, its bones, its anatomy, but had we been able to do so in those early days I am sure we should have planted them in the wrong place. Even as it was, we made some mistakes; the yew walk is too narrow, and I stuck a *Paulownia imperialis* into the middle of a future flowerbed, where it is becoming too imperial, and is now rapidly attaining the dimensions of a forest tree. I have not the heart to cut it down, although I know I ought to.

It was not an easy garden to design. We had so very little to go on. There were no existent hedges, except rubbishy ones which just demanded to be grubbed out, and no old trees, such as a cedar, or a mulberry, which one might reasonably have expected to find in so ancient a site and which would have provided a starting point here and there. It is true that we had some guiding lines in the old walls of pink Tudor brick, and God forbid that I should be so ungrateful to those, for they are in many ways the making of the garden, but after the charming haphazard fashion of Tudor builders (who presumably had no professional architect to draw plans for them) none of the lines seemed to be at right angles to one another, but shot off most inconveniently in odd directions. It looked all right from ground-level, but once you had climbed the tower and looked down upon the whole layout as though you were seeing it from an airplane, you discovered that everything was at sixes and sevens. The tower wasn't opposite the main entrance; the courtyard wasn't rectangular, as you thought, but coffinshaped; the moat wall ran away at an oblique angle from everything else; the moat followed an even more inexplicable angle. It required great ingenuity to overcome those problems, but fortunately my husband, (Continued on next page)

Sissinghurst

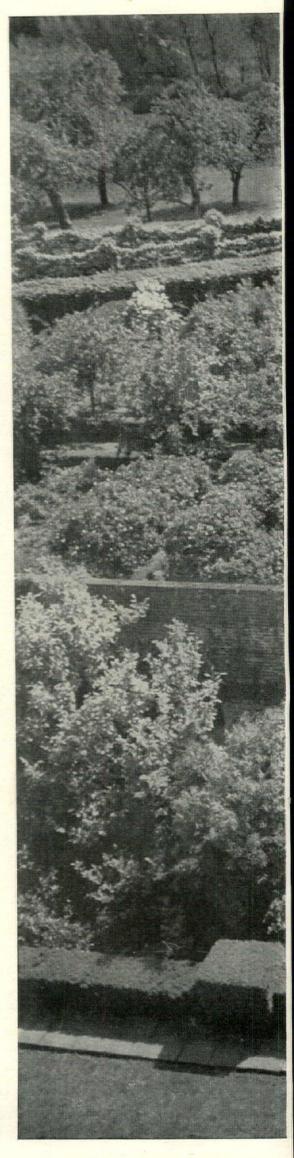
Nicolson (who might well have made his career as an architect or a garden-designer instead of a diplomatist, politician and author) possessed enough ingenuity, and also enough large paper sheets ruled into squares, to grapple with these difficulties.

The result is, I think, entirely successful. He has contrived in the most ingenious way, as you may appreciate from the accompanying photographs, to produce a design which combines formality with informality. He has managed to get long vistas over and over again, in a relatively small space. This makes the garden look far larger than in fact it is. He has also managed to make vistas meet at the queerest angles, a condition particularly apparent in the placement of the classical statue behind the old moat: that statue is visible from the steps of the tower, and also from the seat at the end of the moat walk. This vista took some thinking out, I can tell you. I had the smaller part, for Harold Nicolson

did the designing, and I did the planting. We made a good combination in this way: I could not possibly have drawn out the architectural lines of the garden, and he couldn't possibly have planted it up, because he doesn't know half as much about plants as I do. This is not saying much, for I know very little, but he knows even less. But he does know how to draw the axis between one viewpoint and another and that is something I could never have accomplished. To sum up, I think I have succeeded in making the garden pretty with my flowers, but the real credit is due to him, who drew its lines so well and so firmly that it can still be regarded with pleasure even in the winter months when all my flowers have vanished.

Having paid this tribute to Harold Nicolson, I must go back to some details about the making of this garden and what we grow in it. We found it, as I have said, in a dreadful mess. The only thing we found of any interest was an old Gallica rose, then unknown to cultivation, which is now listed as Gallica var. Sissinghurst Castle at 10 shillings a plant, by Messrs. Hilling of Chobham, to whom I gave some runners. Miss Nancy Lindsay, who is an expert on such matters, says that my old rose is Gallica Tour des Maures, a great rarity . . . that is as may be. I don't know whether this shrubby, woody old rose I found romping here is of any interest at all. I know only that it is fun and interesting to find anything growing on any old site, because you never know what it may turn out to be. This is the way in which many old plants are forgotten and then rediscovered, whether it is an old rose, or an old primrose, or an old double wallflower or an old double Sweet William, or what. Apart (Continued on page 62)

Windblown poplars, at the left, silhouetted against the sky; in the foreground, the moat.



Opposite

Seen from the Sissinghurst tower are evergreen yew hedges planted to be "the skeleton of the garden, its bones, its anatomy . . ."





Three-tiered hedge above the garden seat



Narrow path walled by 16-year-old yews

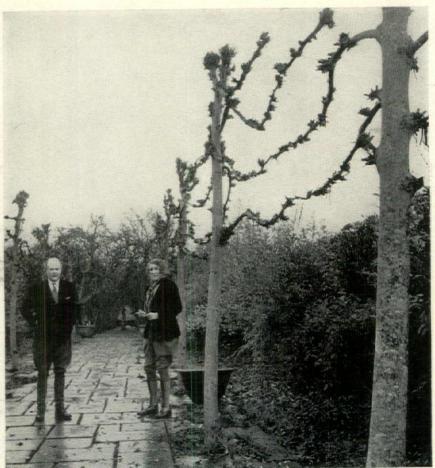


Fragrant thyme creeps between well-worn flagstones

SISSINGHURST continued

from that, there was nothing, unless you count a hoary quince tree which certainly is a lovely sight in spring with its flat, pinkish-white blossoms and its heavy golden fruit in autumn; in the intervening months it now has a clematis scrambling all over it, clothing it in purple. The most urgent thing to do was to plant hedges. We were extravagant over this, and planted yew, and have never regretted it. Everybody told us it took at least a century to make a good yew hedge, but the photograph of the yew walk will, I think, disprove this: it is now only sixteen years old, a mere adolescent, and at the end where the ground slopes and it has been allowed to grow up in order to maintain the top-level, it is 16 feet high. This should be heartening to those who hesitate to plant yew. We did nothing particular to encourage it; we did not souse it with bullock's blood or anything like that; but we did put in very young plants, what the nurserymen call 11/2 feet to 2 feet, which look more like the heads of a birch-broom dotted along a line than like anything which promised to become a solid hedge. We did this partly from motives of economy but also because I am a firm believer in young plants that have not had time to get settled in their ways. The percentage of loss is far smaller. In fact, I don't believe we lost a single one; and when they do "get away," in the gardener's phrase, they go ahead without check and far more vigorously. But it does demand a lot of patience, and for years our garden looked like a nursery garden with rows and rows of little Christmas trees for sale.

Similarly, we planted some acacias. They looked like walking-sticks stuck into the ground. I paid about tuppence each for them, from a nursery in France, and truly they were not more than twelve inches high. Twelve naked little inches of a miniature walking-stick. Today they are large and graceful (Continued on page 104)



Above: Mr. and Mrs. Nicolson (Miss Sackville-West) pleached limes to make an allée

Opposite: The allée today is full grown,
graced by a classic statue overlooking green serenity



Picnic on wheels

Bright July days find Young Marrieds

picnicking wherever the road, their fancies and their
trim Ford station wagon take them. These 12 items
will make your own picnics more enjoyable



PORTABLE REFRIGERATOR, the Thermaster by Poloron, costs \$10.98. Foley Bros., Houston.





HAMBURGER broiler, \$1.50; grill and spatula for turning meat, pancakes, etc., \$1 each. The three from Wanamaker's, New York.



FITTED PICNIC BASKET serves four, is $20\frac{1}{2}$ " x $13\frac{1}{2}$ " x 8"; with equipment, is \$19.50 at Hudson's, Detroit.



SIX plastic tumblers fit compactly into a carrying tube, \$1.50 a set, Lewis & Conger.



TWO-PIECE JUG holds ice in base, keeps 3 qts. of liquid cool in top, has non-drip faucet, \$9.95, Hammacher Schlemmer.



TWIN cushions zipper together to form seat, \$6.95 ea., Abercrombie & Fitch.



BEACH CHAIR, canvas on aluminum frame, grips sand, \$6, Macy's, N. Y.



CARIBBEAN firepot made of aluminum, weighs 8½ lbs., is 12" across, 9" high. With grill, \$24, Lewis & Conger.



HANDY folding table opens to seat four on attached seats, folds to fit in the back of your car. Complete, it is \$27.50, Macy's, New York.



CARRIER, \$4.50, Epicure Mart, Greenwich. Thermos \$2.40, Bloomingdale's





The seventh step in our series
"How to get the best house for your money"

Be wise about windows

Your comfort will depend considerably on how well your windows

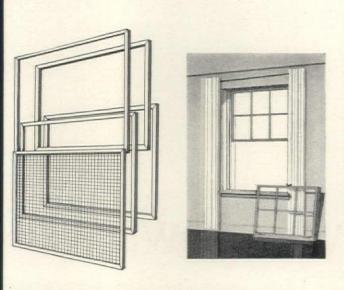
are designed, equipped and located. Study these improved, ready-made types

ew architectural features have changed more than windows in recent years. They have grown higher, wider and handsomer and are, in fact, changing the whole form and appearance of our new houses. Their popularity and increased use are the result of improvements in their construction and design and in development of better glass. Today windows are more weather-tight-better able to keep cold winter air out and warm air in. They are more durable and easier to keep clean and in repair. They admit more daylight, offer better protection from insects or intruders, and can control ventilation more satisfactorily. With proper placement windows can snare the winter sun to help heat the house yet keep it cool in summer with the aid of roof overhangs, shades, etc. These improved windows are largely ready-made stock windows. Factory-fabricated, they are sold as a package which includes frame, sash, glass, trim, weatherstripping and hardware with storm sash and screens available as well. All these parts are machine cut, fitted together with precision and tested for performance. A number of them are illustrated on these four pages to indicate some of the varieties available. They are divided into three basic types (sliding, swinging and fixed windows) and the characteristics of each type are described here.

Choosing a basic type does not solve all your window problems, however. Each window must be right for its purpose and location. If it is a "picture" window it must frame a pleasant outlook at all times, not view the neighbor's garage part of the year or expose your room to passersby in the street. It must be selected and placed to gain the greatest benefit from a sunny south exposure, a garden view, a prevailing breeze or give the best protection from the cold and from winter winds.

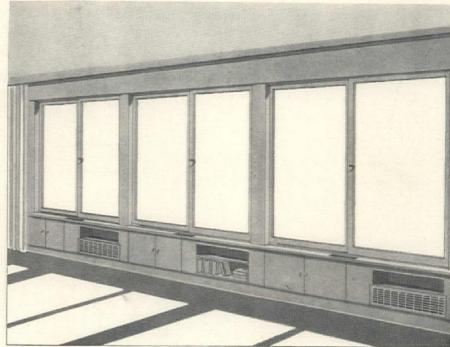
Windows that slide open

The familiar double-hung window does a good job of letting in light and air. Made of two sashes which slide up and down, it can be opened from top or bottom. It affords 50% ventilation, won't interfere with screens, shutters or curtains. It used to depend on pulleys, cords or sashweights which got out of order. New windows, however, have friction guides or springs which operate easily and are freer from trouble. Some of these windows can be removed inside the house for cleaning. "Packaged" windows (next page, upper left) are lightweight metal units with storm sash and screens. Windows which slide sidewise on tracks (shown next page, upper right) are readily removable, have no pulleys or weights.

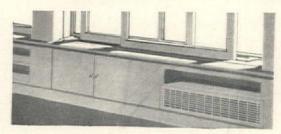


Windows that include storm sash and screen and are removable

Tubular steel window sash, two storm sashes, weather-stripping, a plastic screen, make up the combination window above, left. It permits rainproof ventilation, automatic locking. Has baked-on enamel finish. Sash removable for inside cleaning. F. C. Russell Co. Wood window above, right, cushioned by springs, won't stick or rattle, needs no pulleys or weights. Removable for inside cleaning or painting. R. O. W. Sales Co.

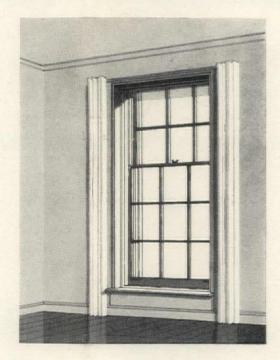


RIEGER



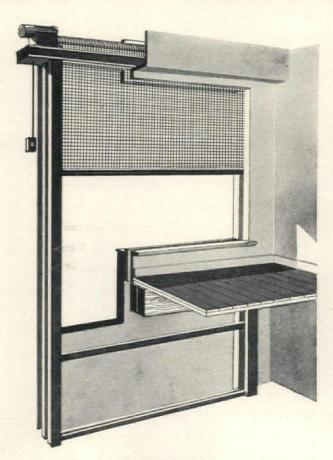
This sash slides open sidewise

Removable wood windows slide horizontally in plastic sill tracks. Lined up evenly when closed, right-hand sash glides" in front of left sash to open. Screens and storm sash attach easily from inside. Andersen Corp.



Traditional, double-hung type

Large, floor-to-ceiling windows for traditional houses. Factory-built, of Ponderosa pine in standard sizes, they work smoothly without binding or rattling, are weatherstripped. Curtis Woodwork Co. Sash-balance and weatherstrip, left, eliminate pulleys and ropes. Master Metal Strip Service Co.



Electrically controlled window

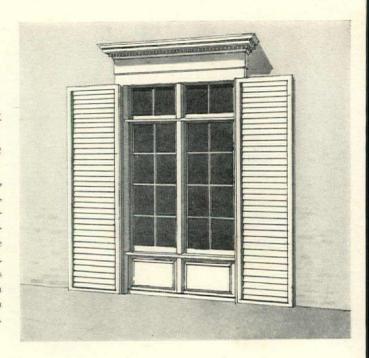
With the flip of a switch this window changes from a fixed glass window to a screened opening. Double glazed insulating glass panel disappears below sill, pulls screen down over opening. Switch has motor. Vita Automatic Windows, Inc.

Windows that swing open

Casements, which give 100% ventilation fully open, are the best known swinging windows. Best models swing outward so they won't interfere with curtains and are equipped with extension hinges to make window cleaning from inside simpler. Screens must be placed on the inside of these windows and a rotary crank is then necessary to open the casements. Increasing in favor are the "awning" or projected windows (next page) which swing out in tiers. Each sash forms a hood to protect the open window from rain.

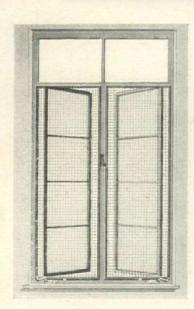
Casements adapt to any style

The fixed panes above, the wood panels below, increase the scale and attractiveness of this casement. It has a steel frame with wood trim and sash. A special hinge swings sash so either side can be washed easily from inside. Rolscreen Co.

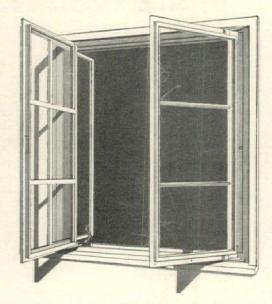


Window walls; floor-toceiling sash and fixed glass panels

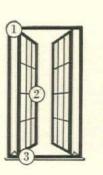
These large windows increase the apparent size of the room, greatly improve its lighting. Because both the fixed glass and casements are of double thickness (insulating glass) the windows lose little heat in winter. In summer the built-in screens roll down like window shades from top. Rolscreen Co.

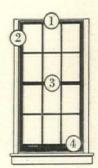


Screens and storm sash



Screens, left, fit on the inside of the window but rotary cranks let you open casements without removing screens. Truscon Co. Aluminum sash, right, has storm windows which you slide out inside the house. Eagle-Picher Co.



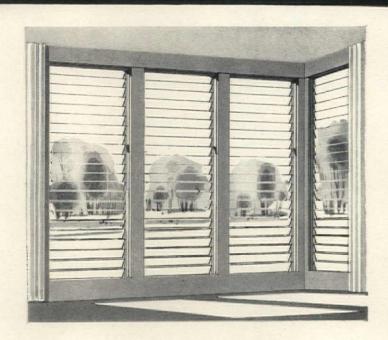


Hardware for windows

Look for these features: Casements, left:
1. Extension hinge makes window cleaning easier. 2. Latch. 3. Adjuster holds sash open. Double hung window, right:
1. Socket for window pole. 2. Balancing equipment—springs or friction guides.
3. Meeting rail latch. 4. Window lifts.

Windows of fixed glass

Fixed glass panels don't open so they aren't windows in the usual sense. But they can be combined with ventilating devices such as louvers (right). Such glass panels, set into the framework of the house, need less construction and weatherproofing than windows. Large fixed glass sheets are feasible today because they use insulating glass (Thermopane and Twindow) which reduces heat loss. It is composed of two or more panes of glass separated by a quarter or half inch of dry air and hermetically sealed. Insulating glass is manufactured in both standard and special sizes.

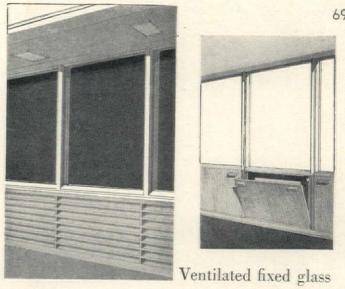


Glass louver windows

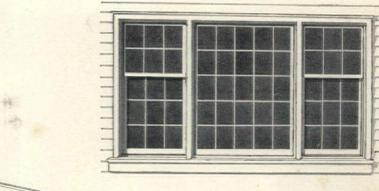
Glass louvers for window or door openings or for porch enclosures. Inside handle operator lets you adjust them to any desired angle for ventilation or for protection from sun, wind or rain. Clear, obscure or heat-resistant glass is obtainable. Frame for louvers is aluminum and is weather-stripped. Aluminum screens fit inside and are interchangeable with storm sash where needed. Clearview Co.

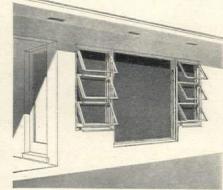
How louvers operate

Sketch above shows handle control which you use to open or close louvers partly or fully. All hardware is corrosion-resistant and carefully engineered at factory for smooth functioning. Weather-stripping is included as part of window. Casement Hardware Co.

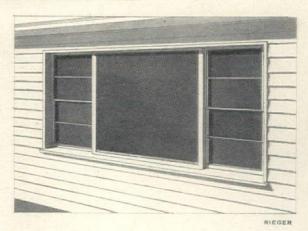


This ready-made unit, for fixed glass panel, has screened louvers (below, beside or above glass) which admit air but keep out rain, drafts, intruders. Wood or aluminum. Outside view, left, inside view, right. Solar Air-Flo Inc.





Combining "picture" windows with windows that give ventilation



Sash that opens can be added to "picture" windows, providing ventilation as well as generous daylight. Top: Two wood double-hung windows beside a fixed sash show use of traditional type of windows. Curtis Woodwork Co. Center: "Awning" windows beside a fixed pane. Easily operated by indoor crank, they shield against rain, permit 100% ventilation. Gate City Sash & Door Co. Bottom: Aluminum double-hung windows and insulating sash are light, easily operated. Aluminum Window Corporation.

The elastic inch

New furniture design takes account of small space and makes the most of it



FINE CHINA, GLASS AND SILVER COMPOSE GRACEFULLY ON THE CONSOLE-TABLE

DECAUSE every cubic inch of your B house or apartment is precious, forward-looking furniture designers, among them Harold M. Schwartz (who designed the pieces on these two pages for Romweber), have devised new ways to stretch inches. Mr. Schwartz makes a specific contribution to the small dining room with his folding table which, when not in use, slides over a storage-and-serving chest, requires no extra room. Topazfinished oak furniture at Modernage, New York; Fakes & Co., Dallas; Sterling-Lindner-Davis, Cleveland. Shopping information on page 99.

Left and opposite

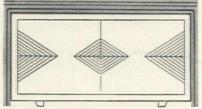
The table in use

Burl top of table (\$195) makes a handsome setting for Castleton "Mandalay" china, Gorham's new "Lily of the Valley" sterling, both at Black, Starr & Gorham, New York. Val St. Lambert crystal at Tiffany; raffia mats from Hammacher Schlemmer, New York. The orchid and its basket are from Lum's, Madison, N. J. Inez Croom "Frankincense Grove" wallpaper designed by Lyman, from Arthur H. Lee (through decorators), and "Bambino" blind, Holland Shade Co., N. Y. Cart has serving wings, a drawer, \$295.



AT EASE IN A SPACIOUS ROOM, THE TABLE IS DESIGNED TO WORK EQUALLY WELL IN A TINY SPACE









HANDSOME LINES, good storage and ability to slide under the dining table to form a console (left) characterize this Romweber cabinet (\$425). Two front panels slide open to reveal a partitioned silver drawer and other engineered storage (above). Flanking it are two well-scaled, spindle-back chairs (\$65 each).

Air minded

With cool-as-a-cucumber furniture, you can give your living room the airiness of a terrace

ARCHITECTS have long known that one of the best ways to keep you cool is to encourage the surrounding air to move. The Swanson Associates applied the same principle when they designed this outdoor-indoor furniture for Ficks Reed. It presents a minimum of solid surfaces to trap hot summer air. For upholstery on chairs and chaises, they substitute sturdy duck, lashed with cord to wrought-iron frames. Instead of extensive table tops, they use slatted fir as airy as a louvered window blind. This furniture can stay out in all weathers, since the black-metal frames are painted to withstand rain, the wood treated with marine spar varnish to take all weathers. It is light enough to move easily, adapted to many uses. The tables, like modular units, can be grouped together (as shown) to form any-size dining or cocktail tables. Finally, it is priced to fit comfortably into almost any budget.



TEXTURES ARE USED EFFECTIVELY against white walls.

On the floor, two Ficks Reed "Abaca" hemp rugs (6' x 9', \$43 each).

In the foreground, paired benches (\$15 each) and at the right a cocktail table (\$35).

Center of interest, the sofa-bed with a foam-rubber mattress (\$195).

Furniture on both pages by Ficks Reed is at City of Paris, San Francisco;

Scruggs Vandervoort Barney, St. Louis; Paine's of Boston.

Claire McCardell dress by Townley Frocks at Lord & Taylor. In the basket, sprays of mimosa.

Further shopping data on page 107

Opposite

Adobe colors spiked with black widen the summer horizon

TERRACE COOLNESS in a living room. Key to comfort, two chaises (\$35 each) flanking a 42" square cocktail table (\$35). In the corner and left center, benches, 22" x 18", 18" h. (\$15 each). The dining table is the sum of two tables, each 30" square (each \$23) around which are four armchairs (\$21 apiece). All furniture by Ficks Reed. "Sunburst" Sculpturon tiles designed by Richard Cromwell frame the fireplace, fancy leaf caladiums from Bobbink & Atkins. Outfit by Nelly de Grab; sandals by Bernardo; stole, Brooke Cadwallader.





How to make the most of your freezer

by MARIAN MAEVE O'BRIEN

A freezer is as vital to good living today as a refrigerator. Here is how an accomplished cook, an old hand at freezing, sums up some points on using your freezer (see next page for latest freezer models)

T is about time, it seems to me, to re-evaluate the home freezer. During the past ten years or so, we have gone through a period of learning how to use it. Where do we stand with a decade of experience behind us? Here is the gist of my own findings which I hope will save you some of the mistakes which I made. HOW BIG A FREEZER? It's a wise family that buys a large freezer. While experts suggest from three to six cubic feet per person, depending on the size of your family, other important factors to consider are the amount of entertaining you do and the sources of your provisions. Actually, there are no hard-and-fast rules for determining the size to buy. Many families (such as mine) start out by concentrating on freezing what they grow in their gardens and storing a few commercially frozen packages. They soon find that these are just two of dozens of ways to use their freezers. More and more you will discover that you can save endless time and considerable money by stocking it with pies and cakes, biscuits and cookies, whole meals and school lunches and spécialités for parties. These are some of the reasons why a large freezer is a boon. If your kitchen is small, you might consider equipping it with a small, counter-high unit and putting a larger cabinet in your laundry-utility room, basement or garage.

HOW WILL YOU USE YOUR FREEZER? Owning a freezer will almost certainly change your way of living—and for the better if you

Opposite: Hawaiian color for a July lunch

The graceful bamboo outlines of this furniture, designed by Lyman for Molla, belie the fact that it is actually cast aluminum, to weather the out-of-doors or luxuriate indoors in your dining room. The side chairs, their cushions covered with solid-colored material, are \$72 each, matching armchairs, \$82 apiece, and table, 32" x 48", \$120 at Mayhew Shop, New York. High color is contributed to the table by the Citron yellow "Tarrytown" pattern cloth, 52" x 70", by Simtex. With six matching "matkins" it is \$6.50 at Macy's, San Francisco. Gladding McBean's Franciscan china in the "Palomar" design combines yellow soup cups (\$4 each) and stands (\$3 each) with black "Encanto" service plates (\$5 each) at Carole Stupell Ltd., New York, and Bromberg's, Birmingham, Ala. Seneca "Savoy" water and wine goblets are \$13.50 a dozen each at Cardel Ltd., N. Y. Six-piece lunch setting of Tuttle's "Onslow" sterling, \$55 incl. Fed. tax, at Altman's, N. Y. Multi-colored cinerarias in a tole basket. It and the porcelain cockatoo are from Mrs. Henry Parish II, Inc., N. Y. Prices approximate.

learn to capitalize on what it has to offer and literally "live out of it." By that, I mean use it every day. My cardinal rules are: keep your freezer full and keep the contents rotating. When I know that my freezer is stocked with food that lends variety to our daily diet, if it provides us with special delicacies in and out of season and helps me prepare meals for my family and guests with a minimum of effort, I feel that I am putting it to good use.

To get the most out of your freezer, you will need to keep records and if you have no time for elaborate bookkeeping, you will want to keep your records simple. I keep track of mine on a large sheet of paper, divided into columns, each headed with the name of one variety of food. I mount my sheet on cardboard and hang it over the freezer with a pencil strung beside it. I count all packages of frozen food on hand and enter the totals in the proper columns. Then as I take something from the freezer, I deduct what I've hauled out and jot down the new figure. It's as simple as that and I know at a glance just how much of everything I have so I can replenish diminishing supplies. My packages are labeled and dated, with a wax crayon, china marking pencil or waterproof ink, which tells me what to use first for rotation. KEEP POSTED ON PACKAGING MATERIALS. Since success or failure can hinge on proper packaging, you will want to know first principles and keep up with new techniques. Again the rules are simple: wrap everything correctly; seal everything tight to keep moisture in. This can best be done with wrappings that are moisture-vapor-proof, odorless and won't crack or become brittle at low temperatures. For this you need special materials.

The new polyethylene bags and clear plastic boxes with pressure closure lids are doubly useful: in the freezer and the refrigerator. They can be washed and used again and again. For irregular-shaped foods, cuts of meat, poultry, cakes, pies and

the like, use sheet wrappings and the drugstore wrap. As well as the familiar Cellophane, plain and laminated, there are the freezer-weight aluminum foils and the plastics—pliofilm and polyethylene. Cellophane and film call for outer protection such as stockinette. Don't



3-6 CUBIC FEET PER PERSON

(Continued on next page)

(Continued) stock Cellophane in great quantities; it will become brittle if kept too long, especially in a dry place. Aluminum foil molds to any shape, stays put and can be used again if you handle it with care. Pliofilm is elastic. Use it as you do Cellophane. Poly-

ethylene is rugged, remains pliable at zero and works well tied with string or taped. Bags of polyethylene for dry packing of fruits and vegetables, small meats and chops should be given a gooseneck twist at the top and tied or fastened securely. Waxed folding cartons, Cellophane-covered or lined, are good for dry-packing vegetables and small



cuts of meat or fish. They save space, freeze fast. Square cartons, heavily waxed, are easy to pack and stack well in the freezer. Aluminum boxes freeze fast, can be used in the oven when you take them out of the freezer. These you crimp-seal with a special tool. New

glass jars have wide mouths so it's easy to take food out of them.

EXTRAS FROM YOUR FREEZER. How you live is a good guide to what to freeze. If you are hos-

pitable but must do your own cooking, you can take the sting out of preparing a large dinner by working ahead and freezing the ingredients. Don't forget that an impromptu party will be the better for a supply of extra ice cubes in the freezer and that you can chill bottles here in a remarkably short time. If your children will take their lunches to school next winter, you can mass-produce sandwiches and cookies

at one time and dole them out day by day. Any time that you roast meat, use the rest of the space in your oven for baked apples, muffins, puddings and such, which can be frozen against another day. You can make jams and jellies in winter from fruits

frozen in summer. It's good practice, too, to freeze citrus LABEL INDELIBLY



KEEP A CHART

fruits at peak seasons to drink later or serve as fruit purées and sauces. Mint and parsley flourish in summer but it's wonderful to have them the year round. Select handfuls, wash and trim the stems short, package and freeze a dozen or so in envelopes. Make up such time-consumers as spaghetti sauce, stuffings, stews, in advance, when you have time to do your best.

Be ready for Thanksgiving, Christmas and birthdays with turkey stuffings, mince pies, cakes and ice cream. WHAT DO YOU GAIN? You'll find, I feel sure, as we do, that your freezer saves you time, work and money. It has taught me how to cook many things in quantity when I have free time, package them in amounts suited to our family. It helps me to save money by buying in bulk when foods are in season and consequently low in price, by harvesting my garden produce and storing left-overs which STORE BULKY PACKAGES AT BOTTOM might otherwise be jettisoned or repeated to

the infinite boredom of my family. My freezer keeps me composed in the face of last-minute guests. Because of its resources, I can contrive delicious meals and it has added to my reputation as a cook. In season and out, my family enjoys fresh fruits, vegetables, excellent meats, their favorite breads and pastries. Our meals are better than they used to be and our bills are lower. We think that living out of a freezer adds up to better living-and so will you.

A freezer for your needs



BIG FREEZING AREA, over 4-sq. ft. in this 15-cu. ft. unit quick-freezes 175 lbs. of meat, stores 553 lbs. of frozen food. \$459.75. International Harvester Co.



SHELF STORAGE of 6-cu. ft. upright eases loading, reach-in. Fits 5-sq. ft. area. \$239.95. Westinghouse.



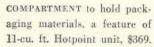
ENGINEERED for greater capacity, less floor space: 12-cu. ft. Kelvinator freezer, \$389.95.



*Prices approximate



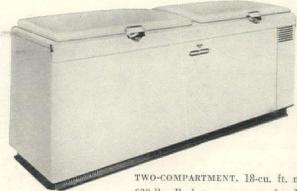






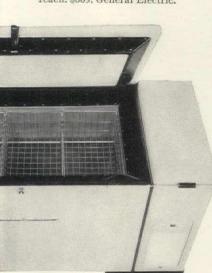
HANDSOMELY DESIGNED 9-cu. ft. freezer with Lucite and blue trim has separate 2.3-cu. ft. freezing compartment. \$289.50. Ben-Hur Manufacturing Co.



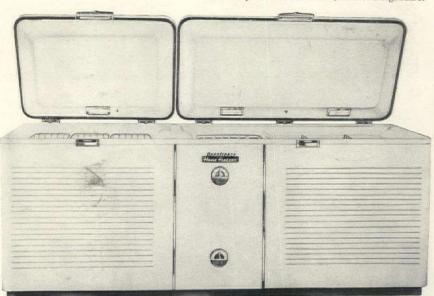


TWO-COMPARTMENT, 18-cu. ft. model holds 630 lbs. Baskets move on tracks; Meter-Miser unit keeps freezer at zero. \$499.75. Frigidaire.

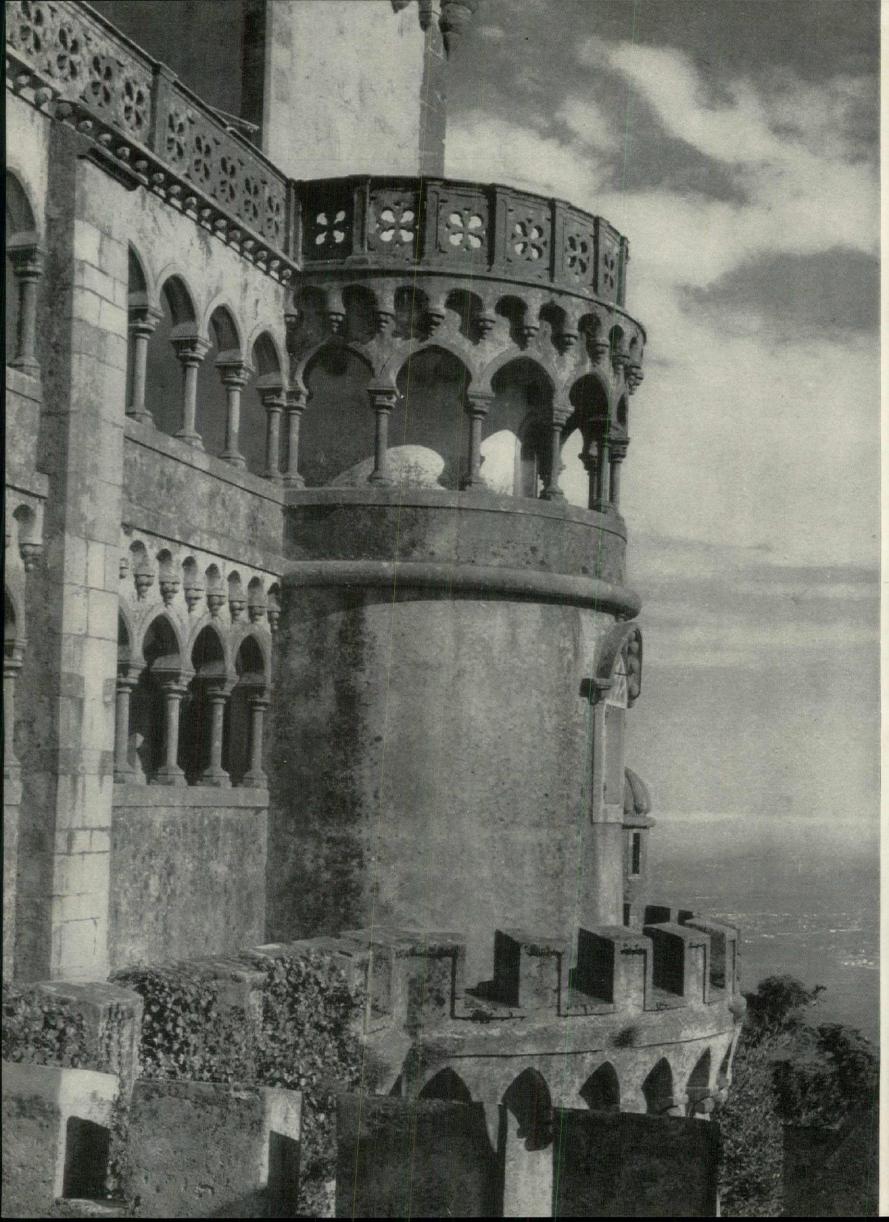
SEPARATE storage space for wrapping materials; control dial set in this compartment keeps it from children's reach, \$369. General Electric.



KITCHEN UNIT, 4-cu. ft. freezer stores 140 lbs. Flat black lineleum top gives six square feet of useful counter space. \$179.95. (Marbleized Vinylite top in 4 kitchen colors, \$5 extra.) From Crosley.



DE LUXE 20-cu. ft. Deepfreeze home freezer holds 700 lbs.; fast freezes 115 lbs. in separate freezing compartment. Easy to lift counter-balanced lids; three large ice cube trays, three interior lights, adjustable temperature control. 0° to -10° F. \$549.95.



Portugal A prodigal land of majestic palace

A prodigal land of majestic palaces and gardens, vineyards and fishing villages

RICH, evocative, the patina of history lies over Portugal, deepening the formalized beauty of its cities and the character of its

scenery. The latter is extremely varied, considering the fairly intimate size of the country, ranging from the alpine nature of the Serra da Estrela to the North African aspects of the Algarve and parts of Alentejo. Untouched by both world wars, Portugal has managed better than any other European country to maintain the grand scale of living. The gardens of its private and public palaces are among the finest and best-kept in the world. Lisbon, draped on seven



FORMAL GARDEN OF THE PRESIDENT'S PALACE AT BELEM.

hills, is a city so beautiful that its inhabitants are constantly creating



A STREET WITH A VIEW, ONE OF MANY IN LISBON.

vantage points, or *miradouros*, from which they can enjoy it. The Avenida da Liberdade, broad and palm-lined, is one of Europe's great boulevards. Along its mosaic sidewalks (the predecessors of those in Rio de Janeiro) pass some of the world's most

smartly dressed women, alongside of fisherwomen carrying baskets of eels on their heads. The

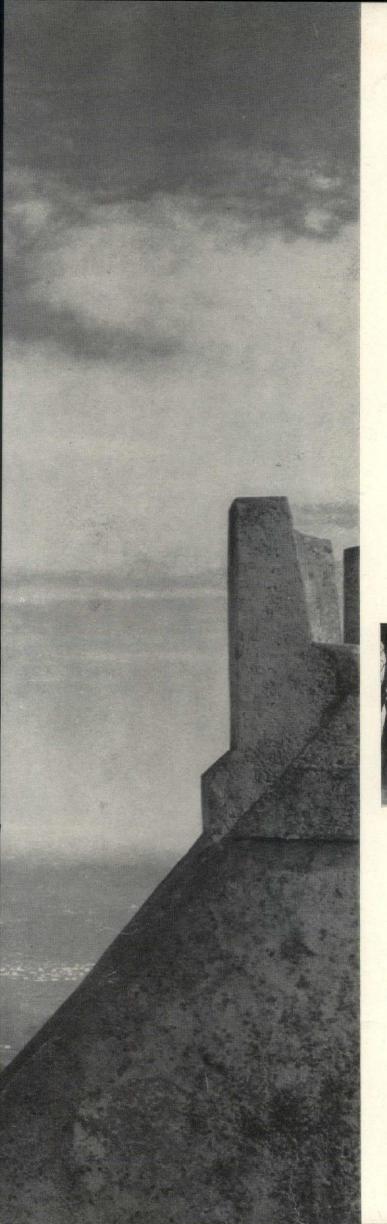
food of the sea is at its best in Portugal, especially the lobster, the sardine and the sole. Remember when you go there that you are visiting the home of fine port wine and sherry. Remember to see the Royal Palace at Queluz, Lisbon's coach museum, the gardens of the Fronteira Palace, Estoril with its beaches, thermal baths, casino and resort hotels, and Sintra where Ferdinand II planted an entire mountainside with camellias, rhododendrons and azaleas. For information on how to get to Portugal, please turn to page 105.

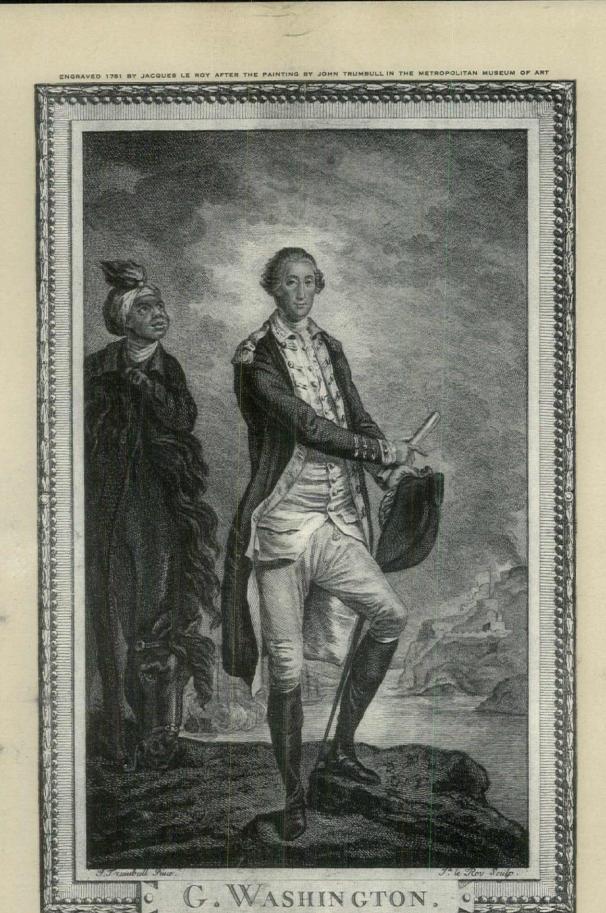


CLOISTER IN THE MONASTERY OF S. JERONIMOS, LISBON.

Opposite

The Moorish towers of the Pena Palace on the mountains at Sintra overlook a medley of villas, gardens and vegetation once called by Richard Strauss the true enchanted garden of Wagner's Klingsor. The palace itself is surrounded by a magnificent park containing such charming spots as the Fonte dos Passarinkos (Fountain of the Birds) and the Vale dos Lagos (Valley of the Lakes).





THE FIRST FOUNDATION STONE of the Federal city of Washington was laid on the

Potomac marshlands 159 years ago. Today, in honor of a great capital city,

freedom-loving people everywhere pay tribute to Washington and to America's first citizen.

ON THE NEXT THREE PAGES

G. Washington's herb and kitchen garden



Kitchen garden at Mount Vernon

EORGE WASHINGTON, Commander-in-Chief of the Continental Army, First President of the United States, was in private life a simple man who cared deeply for his family, his friends, his farm. As evidence of his domestic interests and his feeling for the land, stands this herb and kitchen garden at Mount Vernon, which he himself brought to the present size and shape in 1786. From the General's own books and records, it was restored to a typical 18th-century pattern of beds and paths in 1936, by the sympathetic work of the Mount Vernon Ladies' Association. A large variety of his favorite herbs are used throughout the garden as borders, while his favorite vegetables and

fruits are set out in much the same manner that he grew them. It was Washington's custom at Mount Vernon to make agricultural notes in his farm journals, to write of his daily life to Lafayette, to Jefferson, to farmer friends in England. These homely garden phrases evoke the character of the man: "At length, I am become a private citizen on the banks of the Potomac . . . under my own Vine and my own Fig Tree . . . Began my brick work today, first taking away the foundations of the Garden houses . . . repairing the damages to the walls ... Began also to sow the Siberian wheat which I had obtained from Baltimore . . . Spent the

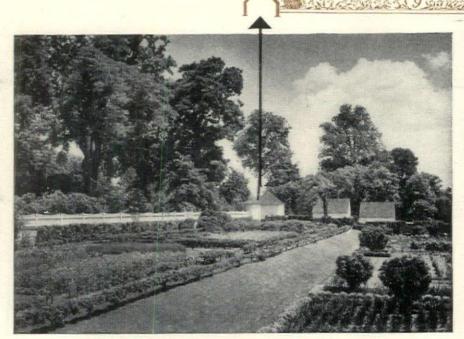
greater part of the day in making a plough of my own invention ... Grafted 15 English Mulberrys on wild Mulberry Stocks...near the Spring path... The Albany pea, which is the same as the field pea of Europe, I have tried and found it will grow well . . . The rains have been very general and more abundant . . . than ever happened in a summer within the memory of man ... No fish caught today . . . Grafted 10 Carnation Cherrys on growing Stock in the garden, viz. 5 of them in and about the Mint Bed, 3 under the Marella Cherry Tree . . . I sowed with the Barrel today, in drills, about 3 pints of a white, well looking Oat brought from Carolina ... The vetches of Europe have not succeeded with me; our frosts in winter and droughts in summer are too severe for them . . . Am sorry to hear of the depredations of the weevil in your parts... Grafted 48 Pears which stand as follows, viz. in the 3rd Row . . . next the Cherry Walk are 12 Spanish Pears; next... 8 Early June Pears; then 10 later Bergamy Pears. Then 8 Black Pears of Worcester . . . Then 10 early Bergamy Pears ... Of all the improving and ameliorating crops, none in my opinion is equal to potatoes . . . Agriculture has ever been amongst the most favorite amusements of my life, though I never possessed much skill in the art."



CORDONS OF GRAPES SURROUND THE PLOT.



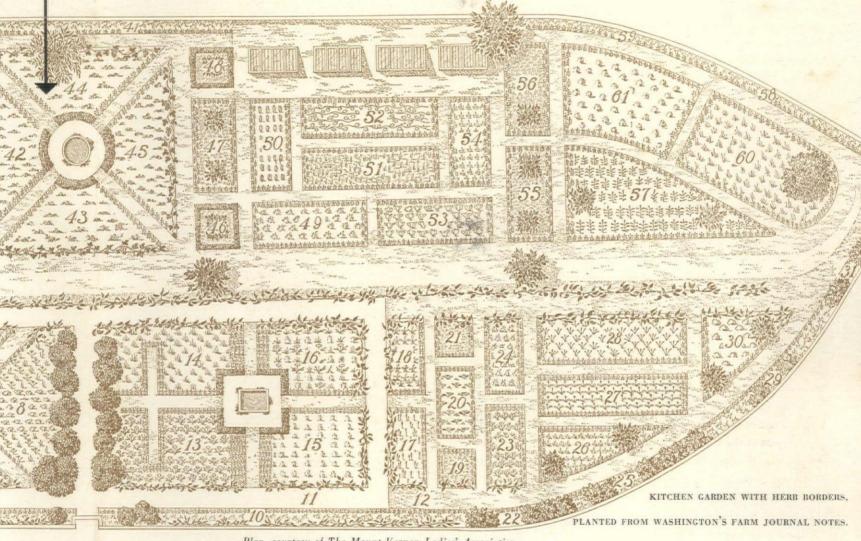
CHIVES EDGE BEDS OF LETTUCE NEAR PENNYROYAL



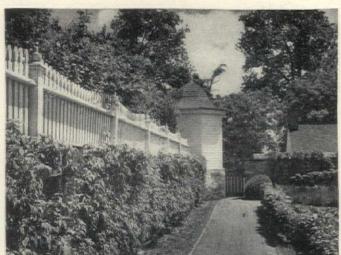
"...I SHALL EXPECT EVERYTHING A GARDEN OUGHT TO PRODUCE ... "

Vegetables follow each other in the typical listing below

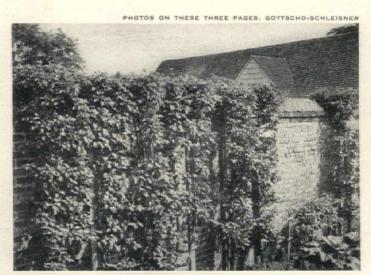
1. Polyanthus, violets. 2. Carrots and radishes, sweet potatoes, onions. 3. Head lettuce, bush beans, spinach. 4, 26, 58, 59. Sage. 5. Onions, loose-leaf lettuce, bush limas. 6. Head lettuce, bush limas, beets. 7. Onions, loose-leaf lettuce, bush beans. 8. Radishes, eggplant, onions. 9, 10, 22. Espalier fruits. 11. Brick path. 12. Grass path. 13. Peas, cucumbers, spinach. 14. Onions, bush beans, turnips. 15. Onions, bush beans, spinach, 16. Peas, summer squash, kale. 17, 38, 55. Parsnips. 18. Beets, loose-leaf lettuce, head lettuce. 19, 21. Horse-radish. 20. Spinach, eggplant, onions. 23. Turnips, loose-leaf lettuce, carrots and radishes, 24. Cauliflower, turnips, head lettuce. 25, 29, 31. Figs. 27. Broccoli, bush beans, onions. 28. Onions, winter squash, onions. 30. Onions for seed, 32. Pennyroyal, 33. Strawberries, potatoes, 34. Lilyof-the-valley, 35, Cabbage, potatoes, 36, Potatoes, cabbage, 37, 40, 48. Mint. 39, 46. Lavender cotton, 41. Rhubarb, 42, 43, 44, 45. Strawberries. 47. Carrots and radishes, acorn squash, 49. Cucumbers, broccoli, 50. Sweet peppers. 51. Peas, tomatoes, 52. Peas, pole limas. 53. Spinach, peppers, onions. 54. Cucumbers, beets. 56. Swiss chard, cayenne peppers. 57. Onions, bush limas. 60, 61. Asparagus. Borders: 2, 8, 20, 55. Lavender. 3, 5, 6, 7, 52. Germander. 4, 18, 19, 21, 38, 47, 50. Rue. 9. Sweet basil. 10, 22. Catmint. 13, 14, 15. Rosemary. 17. Lemon thyme. 23, 24, 28. Marjoram. 27. Hyssop. 30, 56. Parsley. 31. Jerusalem artichokes. 32. Primroses. 33. Chives. 35, 36. Tarragon. 37, 39, 46. Boxwood. 42, 43, 44, 45, 51. Thyme. 49, 53. Nasturtium. 54. Winter savory. 57, 60, 61. Lemon balm. The numbers refer to the sections in the plan below.



Plan, courtesy of The Mount Vernon Ladies' Association



WHITE PICKET COLONIAL FENCE ALONG THE GARDEN WALK



ESPALIERED FRUIT, THEN AS NOW, THE PRIDE OF MT. VERNON

Primer on herbs

Herbs are easy to grow, need little

care, yield a variety of flavors and scents

by HELEN D. LOVELL

When the early settlers came to this country, a precious possession of many a housewife was her cuttings and seeds of herbs. As the pioneers pushed westward, their herbs went with them. Today, they still add charm to our gardens and blessed variety to our cookery. Herbs are easy to grow and require a minimum of care. They are practically free of diseases and pests and do not need chemical plant foods because the latter stimulates too luxuriant growth, the plant parts then lose some of their essential oils. Most herb plants prefer a sunny location and a well-drained soil. Since they like soil slightly on the alkaline side, a good suitable soil can be made by mixing one-third lime rubble with one-third compost and one-third good garden loam.

You may grow your herbs in rows in the vegetable garden, or in a compact area reserved just for them, as near the kitchen as is convenient. You may plant them in borders against a low wall, or in individual plots in a small enclosed area, with picket or other type of wooden fence for background. Do not crowd them, as they need plenty of light and air in order to develop fully. You may add to the appearance of your beds by edging them with low-growing plants such as clipped hyssop and germander, violets and pansies, clove pinks or nasturtiums, or the very useful parsley and chives, alternating plants for contrast in foliage. You may find it an advantage to arrange your herbs by their uses. One bed for the annual culinary herbs could include basil, chervil, marjoram and summer savory with an edging of chives. A second bed for the perennial culinary herbs could contain sage, tarragon and thyme, with an edging of parsley. The third might be made up of herbs used in pickling: dill, borage, pepper and horseradish, edged with nasturtium. The fourth, your bed for the fragrant herbs, would have in it lavender, rosemary, rose geranium, lemon verbena and an edge of clove pinks. For your last bed, include the herbs for teas and cold drinks. Here you would plant bergamot, spearmint, peppermint and balm, and use camomile for the edging. If you are a beginner, it is best to start with only a few types and a few plants. Learn their uses as you learn to grow them. (Continued on page 108) If you are an ardent gardener you probably

How to grow them

CULINARY HERBS

BASIL (annual) is sown outdoors when danger of frost is past. You can cut a few leaves six weeks after planting. Branches of the plant, placed in water, root quickly.

CHERVIL (annual) germinates easily but should be sown where plants are to grow as they do not transplant well. One of the few herbs that likes partial shade, easily provided by larger plants.

MARJORAM (annual) takes two weeks to germinate. Sow it indoors and transplant to the garden after danger of frost is past. It is also propagated by layering.

SUMMER SAVORY (annual) is sown outdoors as soon as the weather permits. As it will not stand cutting back, make more than one sowing for a continuous supply.

CHIVES (perennial) is readily raised from seeds. Mature plants consist of clumps of little bulbs and propagate well by division. Cut back after its rose-purple flower-heads have appeared.

SAGE (perennial) grows from seed or from cuttings started in sand. Do not cut much the first year, nor severely at the end of the season in any year as it needs a good head of leaves to go through the winter. Tie up the plants for winter protection. Replace every few years as the plants become woody and the flavor lessens.

TARRAGON (perennial) grows from cuttings or root division when the clumps get large; prefers partial shade.

THYME (perennial) is propagated by seed sown outdoors and from layering. Tie up the plants for the winter; clip and shape in the spring.

PARSLEY (biennial). Sow seeds in the open ground. As they are slow to germinate, the row should be marked with occasional radish or lettuce seeds.

PICKLING HERBS

DILL (biennial treated as annual). Sow in the spring after danger of frost, as it does not like transplanting. Since dill reseeds freely, be careful to harvest the leaves when the flower opens, the seeds as soon as ripe.

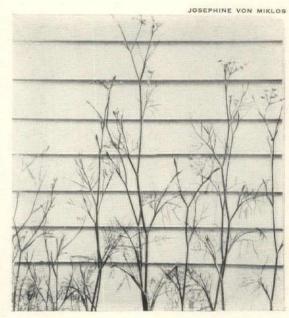
BORAGE (annual). This perpetual sower flowers quickly. Beloved by bees and often planted more for its lovely flowering than its use in pickling. RED PEPPER (annual). Sow seed indoors in April. When true leaves appear, transplant to paper pots to make a good root growth and set out after all danger of frost is past. Its very hot fruits are picked and dried.

HORSERADISH (perennial). Buy roots in the spring and set out 2' apart, 5" deep. Dig roots in fall. Cut off side shoots and store in sand for sets in spring. Store main root in sand until used or make into pickle at once. Very hot.

NASTURTIUM (annual). Sow outdoors in May, not too closely. In dry weather aphids appear but can be dispelled (Continued on page 112)



SPEARMINT AND PEPPERMINT grow best in damp spot, flavor dozens of things



FENNEL likes good soil. Sow seeds early. Use seeds, leaves as condiments, eat stems.

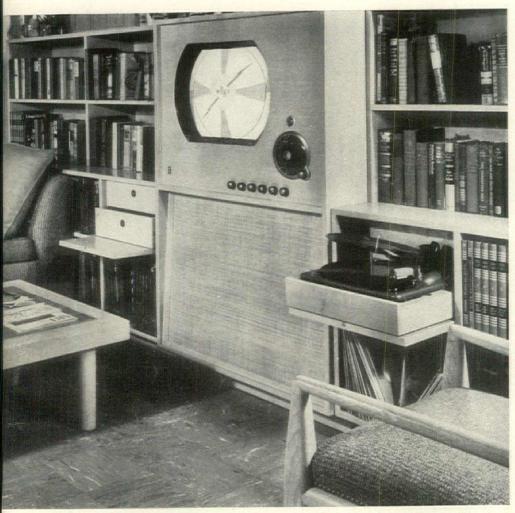


DILL, a salad, soup or pickling herb, is really biennial, best treated as an annual.

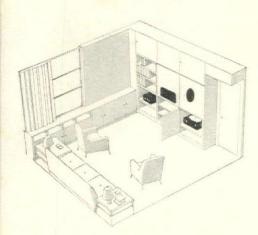


SAGE leaves are a favorite seasoning for poultry; tea soothes sore throat, aids colds.

Make the wall part of the party



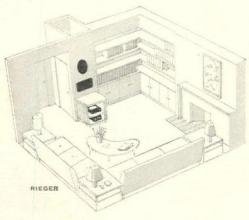
LIBRARY WALL has 19" Du Mont television tube, FM radio receiver, Altec-Lansing loud-speaker, Webster 3-speed record changer in limed oak cabinet. By Voice and Vision, Inc.



STORAGE WALL, left, at end of small room includes music and television equipment.

Direct-view television tube is built in at proper height with controls below it.

Loud-speaker in wall at ear-listening height has ample space behind it for good sound reproduction. Record changer and radio fit into lower cabinets where doors can conceal them. Record storage space on upper and lower shelves is good.



tion, left, makes use of closet. It serves as necessary air chamber behind the speaker mounted in wall. Television screen, of direct view set, is in wall at eye level, below speaker. Adjoining hall door is kept closed when television is on. Radio and record player are in lower cabinet and shelves hold records. Seats face speaker and tube.

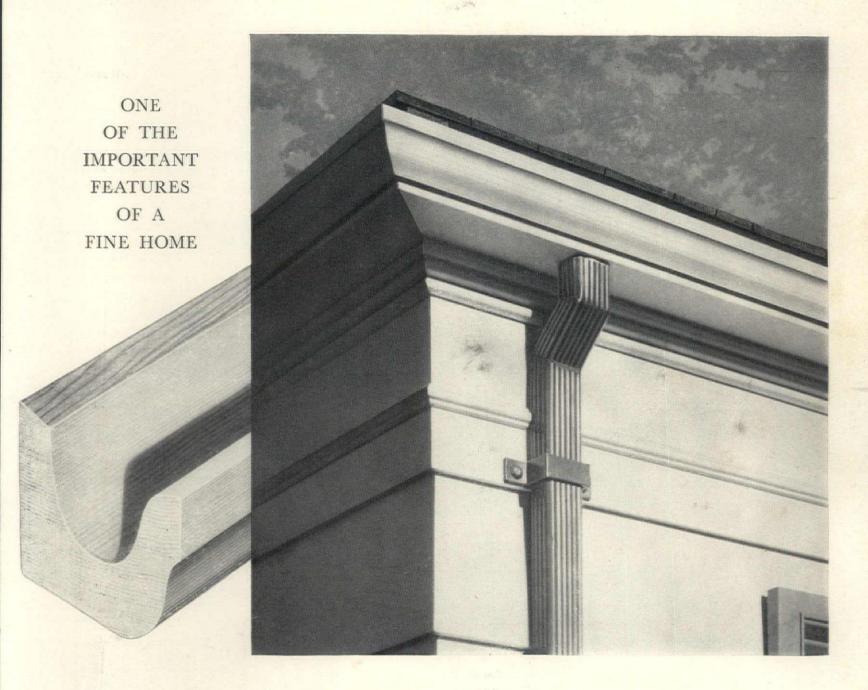
Create an entertainment corner
by building in television,
radio, record player, wire recorder

HE component parts of a music system for your house are the radio tuner or receiver, the power amplifier, loud-speaker and record changer. To add sight to sound, you may build in a television chassis. Some manufacturers sell these parts properly matched as a "package" to be installed in such custom designs as you see on this page. The loud-speaker, the most vital part of the sound system, should be placed from 4 to 6 feet off the floor, at ear-listening height. It should face the area where people sit and must be rigidly attached so there is no rattling. The back of the speaker needs a closed air space around it of at least 6 to 10 cubic feet, preferably more. The TV chassis, consisting of receiver and controls, can be set in the wall next to or below the speaker, at eye height sitting down. The amplifier needs ventilation, must be near an electric outlet. The radio tuner and record player must be located at a convenient height for comfortable use and ample storage for records should be included nearby.



RECREATION ROOM includes 19" tube Voice and Vision television, Altec-Lansing speaker, Radio Craftsmen amplifier, Webster record changer, Wilcox-Gay recorder.

4-Square Wood Gutter by Weyerhaeuser



Wood Gutter of Douglas Fir belongs on good homes. It is another 4-Square Lumber Product that gives extra value to every house.

Put into place when the cornice is built, 4-Square Wood Gutter becomes a permanent part of the house structure . . . adding substantially to exterior design and appearance. In the New

England states, Wood Gutter has been a preferred building material since Colonial days, and has become especially famous for its remarkable durability. It is also widely used on the West Coast.

The gutter is not only a functional member, but one of the important

Weyerhaeuser 4-Square

LUMBER AND SERVICES
WEYERHAEUSER SALES COMPANY, ST. PAUL 1, MINN.

decorative features of a fine home. It must be strong enough to support ladders and be safe for a man to step on. Gutters are a prominent part of the "trim" of a home...a major detail of design.

Besides beauty, 4-Square Wood Gutter offers long life and low upkeep. Snow, ice, moisture, atmospheric fumes or salt laden air

> have only a weathering effect on it. Costly replacement is unnecessary. The first cost is the last cost except for an occasional coat of paint.

> For beauty, for permanence, and for economy . . . build or remodel with 4-Square Wood Gutter by Weyerhaeuser.
> Wood Gutter belongs on good homes.

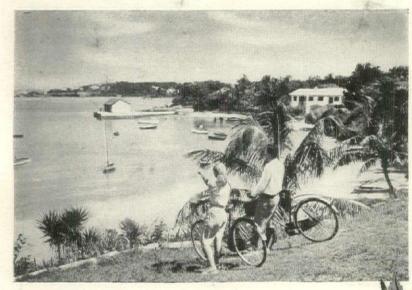




This is sheer joy...as blue water refreshes you...friendly sun caresses you.

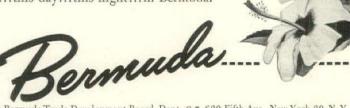


This is peace...living leisurely, graciously in a fine hotel or cottage.



This is living...brilliant colours of sea, sky, flowers... the moonlit night and music borne on the scented air.

Hours so bright with sunshine...so dazzling with colour...so filled with living...you want to shout with joy. And the magic nights you want to last forever...music and the scent of flowers in the air...dancing figures in the silvery moonlight. This is what you longed for...this day...this night...in Bermuda.



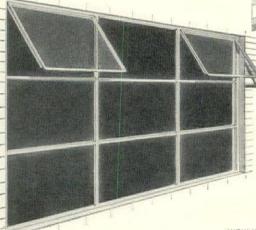
The Bermuda Trade Development Board, Dept. G-7, 620 Fifth Ave., New York 20, N. Y. Please send me, without charge, a copy of your new Bermuda booklet, "BERMUDA WELCOMES YOU."

Name			
Address			

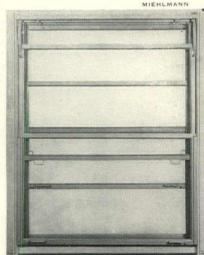
WINDOWS

continued from page 69

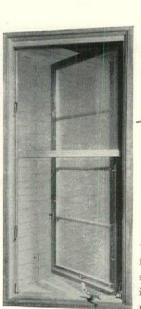
AUTOMATIC SCREEN is attached to outside of sash and sill, right. Open the window and plastic screen unrolls on tracks. Close window, screen rolls in aluminum case. No screen changing. Lockhart Mfg. Co.



LARGE STOCK WINDOW, 9' x 6', left, combines projecting panes (for ventilation) with fixed sash. Aluminum frame, stainless-steel hardware. The projecting sashes are a shield during rain. Aluminum Window Corp.



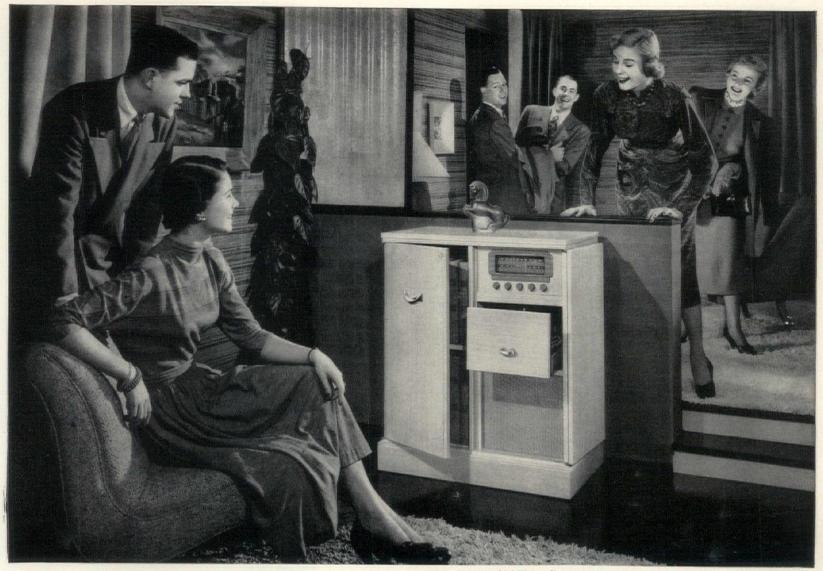
"PRIME" WINDOW is a complete packaged unit—upper and lower glass panels, screen, weatherstripping, insulating storm sash. Made of tubular galvanized steel, baked-on enamel finish. No weights or balances. Panels removable from inside for cleaning. Available in standard sizes. F. C. Russell Co.



ALUMINUM SLIDING WINDOW is completely weatherstripped, has slim frame which lets in maximum light. Remove sashes for cleaning or full ventilation by simply lifting them from frame. Aluminum Window Corp.

WOOD CASEMENT SASH, left, eliminates need for putting up, taking down, storing storm sash. Also includes screen which rolls up into housing at top of window frame, and pulls down like window shade. Rolscreen Co.

NOWELL WARD



THE AVENUE AM-FM radio with three-speed record changer and space for Magnascope Television. Blonde finish \$259.50. Mahogany finish \$239.50

Welcomes television when you want it

Magnavox brings you all this and television when you want it!

HAT a wealth of wonders the Magnavox radio-phonograph offers! All this: Full reproduction of every glorious

note in today's improved recording ranges! Hours of uninterrupted music from



your favorite records! Out-of-this-world sound!

Just the right cabinet for your home—your

pick of the industry's most magnificent designs, unusual woods and mellow, hand-rubbed finishes! PLUS space for television at any time! Yes, the big-picture Magnavox TV chassis slips into extra record storage space. Dividing the purchase makes your complete combination easier to budget. Whatever your reason for not buying television today, be sure that the radio-phonograph you select

lets you change your mind tomorrow! Only the finest stores, listed in the radio section of your classified directory, sell Magnayox.

See their greater values, made possible by factory-to-dealer distribution. Prices start at \$169.50. Many dealers

Pampers treasured records! offer time-payment plans.

The Magnavox Co., Fort Wayne 4, Indiana.

Prices subject to change without notice.



Left: THE PLAYHOUSE. Magnavox TV with new 16-inch rectangular picture tube. Oak finish, \$ 319.50. Mahogany finish, \$299.50

Below: THE METROPOLITAN. Big 16-inch rectangular picture tube, built-in filter. Blonde finish, \$295.00. Mahogany finish, \$279.50



Better sight...better sound...better buy

Magnificent Magnificent

radio - phonograph - television

Let this beautiful new spinet piano speak to you itself!



Reverie... distinctive 18th century styling scaled to today's decorator requirements

Nothing takes the place of your own ear in judging tone beauty and true musical excellence. That's why we say, "Let this beautiful Jesse French Piano speak for itself."

And then, ask your Jesse French dealer to demonstrate the superb Magic-Touch Action . . . and show you how the exclusive Jesse French blend of tonal elements produces the rich, satisfying Ori-Coustic Tone.

We have created "Reverie" in celebration of our 75th Anniversary, to set a new standard for spinet performance in your home. Send the coupon today.

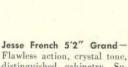


Rhapsody—Consolestyle, in a contemporary classic design. Outstanding for musical and mechanical excellence.

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FREE—"How to Choose the Best Piano." Facts you want to know before choosing any piano.We'll also include new Jesse French Style Book. Send coupon. Flawless action, crystal tone, distinguished cabinetry. Superb for home or school.

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Send me, free, "How to Choose the Best Piano"
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PIANO DIVISION OF H. & A. SELMER INC.

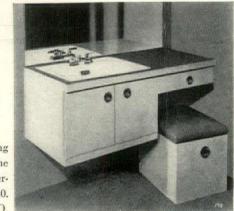
Famous for musical excellence for 75 years

Zone___State____

Mechanics of living

New equipment for safety, ease and comfort, in your house

LOCK IN THE KNOB, lets you open front door single-handed. Astra lock can be set at any point from the edge to the center of the door. About \$20. Schlage Lock Co., San Francisco.



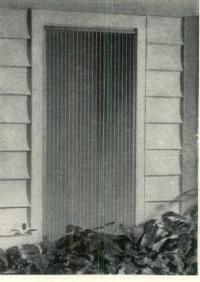
combination lavatory-dressing table, for dressing-room or the bath. Cabinet, basin, hamperseat in color, about \$130. Alliance Ware, Inc., Alliance, O.



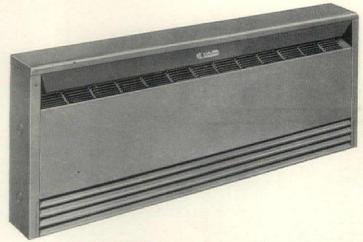
DEHUMIDIFY to prevent mildew, warping in basement rooms. Compact unit, left, (34" high, 13" dia.) absorbs up to 12 qts. water a day, plugs in electric outlet. Chrysler Airtemp, Dayton, Ohio.



ELECTRIC HOUSE NUMBER with raised plastic digits on black background is visible day or night. Requires little power. 1 to 5 numerals, wrought-iron or silver-gray finish \$3.95; brass \$4.95. Nutone Inc., Cincinnati.



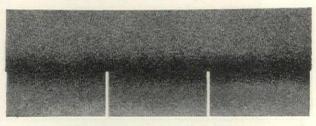
HEAT REFLECTING SCREEN, left, keeps you cool all summer. Its closely spaced louvers shade out sun, bar insects, cut glare, shed rain; due to their angle, you can see out but not in. Durable, needs no paint. About 30c a sq. ft. Kaiser Aluminum Co., Oakland, Cal.



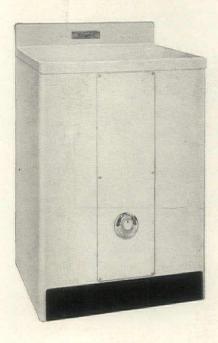
HANDSOME CONVECTOR to recess in a wall when you build, remodel. Damper controls heat; spring tension holds it open at any width. Snap-on front, grill make cleaning, servicing easy. For steam, hot water systems; copper heating unit. Modine Mfg., Racine, Wis.



FABULON, a transparent, protective floor coating, for wood or linoleum is water-proof, skid-proof. \$1.75 qt. Use Pronto to remove old wood floor finish. \$1.24 qt. Pierce & Stevens, Inc. Buffalo, N. Y.



PREVENT roof fires with Fire-Chex shingles. They have Fire Underwriters Class A rating. Attractive color blends in red, green, gray, blue, brown and white; also solid black. About \$15 per square (100 sq. ft.) Philip Carey Mfg. Co., Cincinnati.



DIAL HOT WATER NEEDS with new table-height water heater, left. Settings include "vacation," "average," "extra hot"; allow for varying seasonal, local needs; eliminate complicated servicing when automatic dishwasher, laundry are installed. 40 gal., \$144.95. Hotpoint, Chicago.



"ALUMINUM WINDOWS DON'T NEED PAINTING"

No rotting, no rust-streaks when windows are Alcoa Aluminum

Make sure your new home has windows of Alcoa Aluminum. They never need painting, or special care, because aluminum can't rot, warp, or rust-streak. Aluminum windows won't shrink or swell, can't stain adjoining surfaces.

Women like aluminum windows because they add so much beauty, yet need so little care. No deep dirtcatching corners to slow housework. Just wipe the frame when you wash the glass and Alcoa Aluminum will keep its smooth, lustrous appearance.

Leading window manufacturers make windows of Alcoa Aluminum in all standard types and sizes. Your architect, builder or dealer will help you select the correct type for your home. For the names of manufacturers, write ALUMINUM COMPANY OF

AMERICA, 1483G Gulf Bldg., Pittsburgh 19, Pennsylvania.

ALCOA ALUMINUM.. Best for Canopies and Awnings, too!

For long life, freedom from painting and lasting good looks, make sure the awnings and canopies you buy are made of Alcoa Aluminum.



THE MODERN METAL FOR MODERN HOMES



ALCOA ALUMINUM



replace your single-speed unit with

A WEBSTER-CHICAGO

Record Changer

plays all 3 speeds and all 3 sizes

Now your radio-phonograph can become a concert stage...you can lean back in your favorite den or living room chair and listen to concert-like reproduction of the world's finest music...all made possible by your new Webster-Chicago "triple-action" completely automatic record changer.

It replaces your present, out-of-date single speed unit quickly and easily...presto! You can enjoy all records—33½, 45 and 78 rpm.

Its sensitive tone arm, recognized by leading concert artists, delivers full, rich symphonic tone ... exciting new fidelity makes your old records sound new.

There is a Webster-Chicago completely automatic record changer to replace your present unit in two price



Plugs into radio or TV set

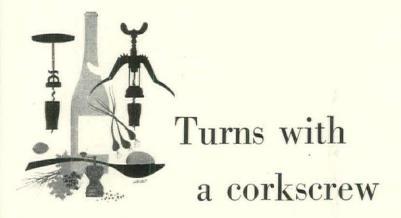
ranges...or, if you want to make a combination with your television set, the semi-portable unit is the one for you...just plug it in.

Your music store or radio dealer always has a complete Webster-Chicago stock. Call today; his trained service man is your guarantee of perfect service.

as important as the records themselves

WEBSTER-CHICAGO

record changers and phonographs



Roll these four refreshers out-of-doors to the terrace on summer week ends

UNDAY lunch in the country is an amiable affair which week-enders always enjoy. After a round of golf or a splash in blue seas, your guests look forward to this refreshment. Yesterday's heavy formal lunch was a stiff-collar ordeal but today's entertaining is informal, moves out of doors like a fête champêtre. It moves literally on wheels, on serving carts and cocktail tables festively arranged to hold the ingredients you need for mixing drinks and making snacks. Corkscrew suggests four liquid preludes to a successful lunch, any of which-blended or shaken to frost-will serve as pleasant reminders that though it may be 90° below in Verkhoyansk, Siberia, or Hades-hot in Zululand, comfort still comes in tall glasses on the home front, U. S. A. To concoct an Americano: Mix 1 jigger of dry vermouth, 1 jigger of sweet vermouth, 1/2 jigger Campari bitters. Add ice, soda, spiral of orange peel. Frozen Daiquiri: 1 part sugar, 1 part Triple Sec, 2 parts fresh lime juice, 8 parts light Puerto Rican rum. Pour mixture in electric liquidizer with appropriate quantity crushed ice. Mix at high speed to fine snow consistency. Serve heaped in the glass like an inverted ice-cream cone. Top with short straw. Peach Bowle: Peel fresh peaches the night before. Put one in each glass, cover with brandy, chill overnight. Next day pour well-chilled champagne over peaches. Serve with spoons. Silver Fizz: Pack shaker with cracked ice. Put in juice of I lemon. Sweeten to taste. Pour 11/2 jiggers gin over ice in shaker. Add 1 tbsp. heavy cream, 1/2 egg white, beaten but not stiff. Shake vigorously, pour as a base into a highball glass, fill up with soda.



MIX AMERICANOS with Martini & Rossi sweet and dry vermouths from Renfield Importers. Campari bitters at Sherry Wine & Spirits, Lee L. Woodard wrought-iron tea wagon, \$59 at Carole Stupell Ltd. "Baltic" glasses by Hunt. Bucket, Friedman Silver. Tray, Hammacher Schlemmer.



FROZEN DAIQUIRIS take National Distillers' Ron Merito Puerto Rican rum, De Kuyper Triple Sec. "Gloria" glasses, Van Dugteren. Cocktail grill, Knapp liquidizer, Hammacher Schlemmer. Molla cart, \$60, Klingman's, Grand Rapids.



PEACH BOWLE: Choose Moët & Chandon champagne, Hennessy cognac from Schieffelin Co. Ficks Reed table, \$100 at Paine's, Boston. Pilsner glasses by Imperial. Wine cooler, Black, Starr & Gorham. Chicopee napkins.



SILVER FIZZ takes Lloyd's London Dry gin from Julius Wile. "Pristine" shaker, ball bottom glasses, sugar and creamer, by Cambridge Glass. Ice bucket from National Silver. Tray, Poona cheese, at Hammacher Schlemmer. Walnut cocktail table, wrought-iron frame, removable tray, pull-out leaves, Salterini. \$200, at Bloomingdale's, N. Y.

All prices approximate



for all those who study music

A WEBSTER-CHICAGO

Electronic Memory

is an amazing new aid to music study

Electronic Memory has been hailed as the first forward step in music study during the past quarter century... and no wonder, look at what it does... it actually brings each full lesson into the home at every practice session... the lesson is recorded and each word and every note played by the instructor is on the wire... this is played back during the practice session time and time again... you get many hours of teacher-instruction for

the price of one lesson.

Now the pupil can hear himself play . . . an entirely new experience . . . educators have proved that the learning process is faster when the pupil hears his own mistakes and corrects them . . . and it's all done simply and easily with a Webster-Chicago Elec-



Semi-portable model

tronic Memory wire recorder in your home.

Your music dealer will be happy to show you the new Electronic Memory—it will pay you to see it. You can use the Electronic Memory for all sorts of home entertainment, too.

multiply music teacher effectiveness with the

WEBSTER-CHICAGO

Electronic Memory Wire Recorder

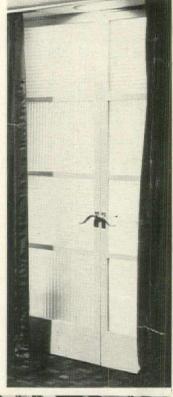
Guard Privacy...Gain Light

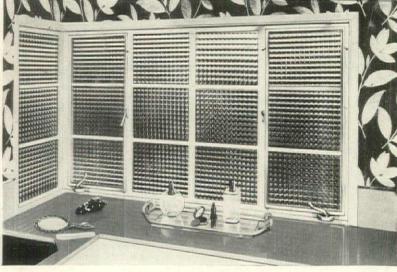
through DOORS

Brighten rooms and halls with Blue Ridge Patterned Glass. It lets light through, banishes the dark areas caused by opaque doors. Yet blocks vision. Looks equally smart on both sides. At right: Blue Ridge Satinol Flutex used horizontally and vertically.

through WINDOWS

Obscure views and still be distinctive with Blue Ridge Patterned Glass. Its square, linear and all-over patterns make any window a center of beauty... in rooms where both privacy and light are required. Below: Doublex glass in aluminum windows by Timm, Los Angeles.





More light in every room! You gain it without sacrificing privacy... through panels, partitions or entire walls of Blue Ridge *Patterned Glass*. "New Adventures in Decorating" shows what a variety of effects you can achieve with this versatile glass. Comes in over 20 patterns. May be *Satinol**-

finished for greater privacy and Securitized for greater strength. Ask your L·O·F Glass Distributor for details. Or send 10c with coupon below for illustrated book.



Blue Ridge Sales Division	
Libbey Owens Ford Glass	Company
8575 Nicholas Building, To	oledo 3, Ohio

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3	ating

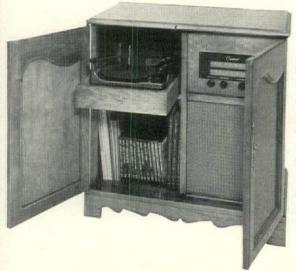
Name	
Address	
City	State



Stay-at-home pleasures

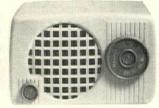
Now, as never before, you can have music, recorded or airborne, in your living room, to say nothing of the performances presented over television.

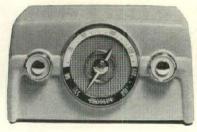
In addition, recorders are both useful and vastly entertaining at parties. On these pages are new models.



CAPEHART-FARNS-WORTH radio phonograph in a French Provincial, cherry-wood console with fruitwood finish, 33" h., 34" w., 18" d. Dual range tone control, 12" speaker. Plays 33½, 78, 45 rpm records, \$395.

ARVIN radio, right, has unbreakable, one-piece steel case finished in House & Garden colors, 55/16" h., 81/4" l., 35%" d. Equipped with three tubes plus rectifier, this costs \$15.





CROSLEY Coloradio, left, 67%" h., 127%" w., 73/16" d. has 53/2" speaker, antenna, plug for record player. Five colors, \$43.

WEBSTER-CHICAGO wire recorder, right, has microphone, self-contained speaker, three spools of pre-tested recording wire. Complete with burgundy leatherette carrying case, \$150.





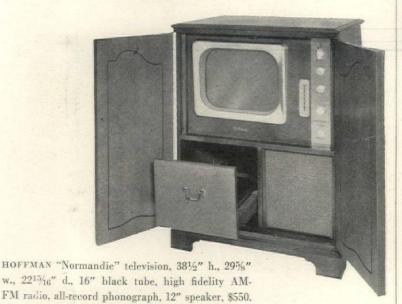
BRUSH "Soundmirror," left, records and reproduces on paper coated in magnetic compound. Also records radio or discs. Has microphone and loudspeaker, is \$230.

STROMBERG-CARLSON television-radio-phonograph at right is mahogany in Hepplewhite design, 37%" h., 391/2" w., 253%" d., 16" black tube, AM-FM radio, three-speed record player, record storage compartment, \$625.





CAPEHART-FARNSWORTH "New Englander," left, fruitwood finish, 16" polatron picture, symphonic tone, 365/s" h., 21" d., 233/4" w., about \$400.





GE television console, right, 401/8" h., 35 %" w., 25 1/16" d., in mahogany veneers, has 19" picture tube, 12" speaker and built-in antenna. It costs \$550.

PHILCO table radio, left, 77/8" h., 131/4" w., 73/4" d., has new antenna for FM reception, is made of mahogany-colored plastic, maroon background, \$60.



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Rubber Tile Adhesive
Sponge Rubber Rug Cushion
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Shades of Davey Jones! Batten the hatches! A couple of young "sea dogs" discover how to spend a hot July day. But don't worry, Mom. Your foresight in planning a Fremont Rubber Tile floor gives you a water-tight battleground. Let them sink the S.S. Bathroom. A swish of the mop afterward has the floor sparkling new. For halls, kitchens, dens, play-rooms, nurseries, Fremont's 17 beautiful fade-resistant colors make smart decorator schemes, outwear the best efforts of the younger set, stay like new for the colors go clear through. Next building or remodeling time, plan a floor that can take a beating and be beautiful-Fremont Rubber Tile.

> FLOOR COVERING DEALERS EVERYWHERE tterns: 402 Canterbury Blue, 800 Dove Gray

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NAME

ADDRESS

All prices approximate.

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Because only a PHILCO has this exclusive design

Only **PHILCO** puts 70% of the storage space above knee level.

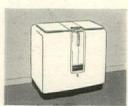


Only **PHILCO** slopes in to the bottom so you can stand closer comfortably.





EH-121 - Illustrated above - \$349.50*



DH-81 — 8 cu. ft. capacity in 5 cu. ft. cabinet. Holds 280 lbs. \$265.00*



DH-41 - 4 cu. ft. capacity in 2½ cu. ft. cabinet. Holds 140 lbs. \$189.50*

Holds 435 lbs. of Food! No freezer ever built gives you quite as much in design, features, and money-saving value as this magnificent new 12.5 cubic foot Philco.

Built so a woman can use it more easily, more conveniently, it has 70% storage space above knee level, brings more food packages within easy reach without stooping. It has a front that slopes in to the base so you can stand closer. It has 3 gleaming porcelain compartments with new easy-lift storage baskets and new plastic Utilitray.

Temperatures as low as 15 degrees *below* zero permit sharp freezing in any compartment. Far and away the most advanced home freezer for '50, this newest Philco sets a new high in freezer convenience, economy and value!

See the new Philco freezers, 4 to 30 cu. ft., at your dealer's now!

PHILCO HOME FREEZERS



Three new spinet pianos

Even in a small apartment, there is always room for a piano,

thanks to the revival of the spinet type. Into

these popular upright designs, today's piano makers have built

the beauty of tone once associated only with grand pianos

JESSE FRENCH "Reverie" piano, right, is mahogany in eighteenth-century style. Special voicing action, regulation and other engineering features are part of this instrument, 36½" h., 56¾" w., 24½" d., which costs \$760. The bench costs \$30.



GRIGSE



WINTER "Federal" Musette reflects the design of master furniture craftsmen, is one of several pianos lighter than standard, owing to Alcoa aluminum plates supporting the strings. In mahogany, spinet, 37" h., 57" w., 24"d., costs \$700.

GULBRANSEN "Chippendale" Minuet spinet, right, is expertly made of quality materials, has 7½ octaves, three brass pedals, sliding music rack. It is 36" h., 61¾" w., 27" d. In ebony, satin finished, it costs \$885.



All prices approximate

(Continued on page 98)

PROVINCIAL ROOM continued from page 46

Following is the shopping information for the merchandise shown on page 46. All prices are approximate

TELEVISION: Du Mont "Hanover" television set 40" h., 331/8" w., 251/4" d., 19" screen, \$595. (Write to House & GARDEN for stores which have this set.) FURNITURE: By Jacques Bodart Inc. Available through decorators. Pull-up chairs 36" h., 26½" w., 20½" d., \$165 ea. in muslin; sofa 29" h., 92" w., 23" d., \$595 in muslin; cocktail table, marble top 18" h., 32" sq., \$235; armchairs 34" h., 21¾" w., 18½" d., \$165 ea. in muslin. All European beechwood. Mahogany Empire pedestal table 20½" sq., 20½" h., \$245.

FLOOR COVERING: Gulistan "American Provincial" 27" width, \$6.95 lineal yard, 9', 12' widths, \$9.95 sq. yd., W & J Sloane, New York.

ACCESSORIES: Brass candle sconces, Hadleigh, Inc., Will & Baumer candles; oval wire basket, Rose Mildwoff; flowers are pink geraniums and white stock; one of a pair of Irish candlestick lamps, Bergdorf Goodman; miniature commode, \$125, W. Jay Saylor; antique faïence plate with friut c. 1785, Mottahedeh; Ronson "Crown" lighter, \$11 plus Fed. tax, Altman's; green "Lettuce Leaf" salad plates, \$12 ea., James Amster. All stores are located in New York.

MODERN ROOM continued from page 47

Here is the shopping information for the merchandise shown on page 47.

All prices are approximate

TELEVISION: Admiral television-phonograph, 12" speaker, 19" tube, blonde mahogany cabinet 43" w., 38" h., 24"

PIANO: Everett Piano "Regency" model, limed blonde oak with matching bench 41" h., 25\%" d., 58\%" 1., \$850 with bench.

(For information about stores which have the television set and the piano, write to House & Garden.)

WALL COVERING: Authority Line "Chinese Star" by Standard Coated Prods.,

Div. of Interchemical Corp. \$6.50 a roll, Hudson's, Detroit.

FLOOR COVERING: James Lees "Skyline" wool carpeting \$12.50 square yard, Carson Pirie Scott, Chicago.

FURNITURE: All by Herman Miller at Foley's, Houston. Card table 34" sq., 291/2" h., \$55; dining chairs 19" w., 29" h., 18" d., \$30 ea., both impregnated molded plywood, chrome-steel legs. Ottomans 23" w., 16" h., 33" l., foam rubber over no-sag springs \$103 ea., in muslin. Shown upholstered in Schumacher's textured fabric 54" w., \$6 a yard. Large storage unit (available finished in different colors with interior

(Continued on page 99)



the brand new grand new BURRAY

A spinet in size, a grand in performance! It's the piano that won highest praise from thousands at recent concert recitals in Kansas City, Chicago and other cities. See this incredible small piano, now on display in America's leading music houses. Learn the facts about Everett's revolutionary, new dyna-tension scale ... goal of piano makers for generations. Wide selection of styles, modern and traditional.

priced hundreds of dollars less than other leading consoles



FOR FREE CATALOG, WRITE EVERETT PIANO COMPANY, SOUTH HAVEN, MICHIGAN

Ot's lighter than you think!



AN ALUMINUM "BACKBONE" SAVES UP TO 100 POUNDS IN PIANO WEIGHT



Every time you clean house or rearrange your furniture, you'll be glad you bought a piano with a strong, light Alcoa Aluminum Plate.

This great piano improvement gives today's lighter pianos a wonderful, new "feel". You get easy-to-move convenience—in addition to piano beauty and rich, full tone. Just ask one of the more than 50,000 owners who have aluminum-equipped pianos. He'll tell you it's a good investment when you can get such fine musical performance in a lighter piano—at no extra cost.

Before you buy, have your dealer show you a piano with an aluminum plate.



STOP...See your dealer's pianos with aluminum plates.



LIFT... or move one end of a piano. Compare the "feel".



LISTEN ... to its full, rich tone.



MUSIC continued from page 96

Two organs for contemporary rooms

HAMMOND spinet model, right, is a complete, self-contained organ with "harmonic drawbars," six controls. In walnut, 42" h., 45" w., 25" d., it costs \$1300.

WURLITZER electronic organ, below, self-contained speaker, two 61-key manuals, full 25-note pedal keyboard. In mahogany, 40" h., 52½" w., 44" d., \$1895.



GRIGSB



Write to House & Garden for stores carrying these instruments All prices approximate

How to look after your piano

Experts give you practical pointers on upkeep

YOUR piano deserves the same meticulous care which you give to fine furniture. House & Garden canvassed the following group of piano manufacturers to give you facts on piano care:

JESSE FRENCH & SONS recommend a routine of wiping off the case with a damp cloth, then polishing it with a dry one. To restore the finish, they like DuPont No. 7 Duco polish and Duco wax. For the keys, use a cloth dampened in vinegar.

GULBRANSEN COMPANY suggests using wet, soft cheesecloth on the wood. Wring the cloth out thoroughly, apply 8 or 10 drops of crude oil. Wipe the piano with this, then dry it off.

WINTER & CO. and HAMMOND recommend any good furniture polish. Follow the instructions on the container for best results.

STEINWAY suggests wiping the piano with damp cheesecloth, then drying it with another cloth. Work in straight strokes, following the grain of the wood at all times.

WURLITZER likes the practice of washing the piano with Ivory soap and water. Dry it and apply lemon oil or crude oil as a final step.

EVERETT advises owners of their pianos to use a damp cloth and a very small amount of Ivory soap, or a chamois skin which has been wrung out in cold water.

IN GENERAL, to decide which of the foregoing procedures to follow, consult with the man who sold you your piano or write to the maker of your particular instrument. Almost all piano makers issue booklets which they are delighted to send you and in many of these you will find sound advice on piano care. (Some of these booklets are described on page 103.) All makers caution you to have your piano tuned regularly by an expert and always protect it from extremes of climate. For further advice on this subject, see article on page 50 by Mr. Sandor.

MODERN ROOM continued from page 97

storage arranged in numerous ways) 48" w., 32½" h., 16" d., frame is extruded aluminum, side, top panels, drawers and shelves plywood, all other fittings are plastic \$95; screen 5'8" h., 5' wide extended, impregnated molded plywood, has 6 panels \$65.

ACCESSORIES: Raymor floor lamp, designed by David Wurster, black base, white Polyplastex shades \$40, New De-

sign; red leather backgammon set \$25, Mark Cross; cigarette box with blue enamel top \$16, ash tray with chartreuse enamel \$4.50, with blue enamel \$4, large wooden tray \$40, glass beer mugs \$12 doz., all New Design. Blenko glass vase \$8.50, Southern Highlanders. Pictures are 17th-century German cards \$7.50 ea., without frames, Mary Muller. All in New York, Heineken's beer.

ELASTIC INCH continued from page 70

Here is the shopping information for the merchandise shown on pp. 70-71. All prices are approximate

Page 70

On the table: 16" round Italian lace place mats \$5.50 ea., yellow and gray napkins, Hammacher Schlemmer, N. Y. Castleton China "Mandalay" dinner plates \$60 doz., bread and butters \$36 doz.; Gorham "Lily of the Valley" luncheon size 6-pc. place setting \$25.50 incl. Fed. tax, Black, Starr & Gorham, N. Y. Val St. Lambert "Cathedral" goblets \$116 doz. and wine glasses \$88 doz., "Galax" cigarette box and ash-tray combination \$8, Tiffany & Co., N. Y.

Page 71 Upper photograph

"Bambino" natural blinds 90c sq. ft., Holland Shade Co., N. Y. Inez Croom "Frankincense Grove" wallpaper \$8.25 a roll through decorators at Arthur H. Lee, N. Y. Kentile "Travertine" asphalt tile, white with black marbleizing, 9" squares 40c a sq. ft. installed, at Macy's, N. Y.

On the table: The same as page 70 plus Val St. Lambert "Cathedral" decanter \$29, Tiffany & Co.

On teacart: Oblong silver tray \$500; round silver tray \$85; Gorham "Lily of the Valley" demitasse spoons \$2 ea., all incl. Fed. tax; Castleton "Mandalay" demitasse cups and saucers \$60 doz., Black, Starr & Gorham. Val St. Lambert "Sils" decanter \$20 and glasses \$3.70 ea., "Catavinos" brandies \$2 ea. Tiffany & Co. Hennessy cognac. De Kuyper Triple Sec cointreau.

On cabinet: Large round basket \$7, add \$1 for shipping, The Lighthouse, New York.

Lower left photograph
Laloma flower pot \$18, America House.



Side chair and arm chair from our Unité French Provincial dining group. Sturdily built of fruitwood in antique French walnut finish. Upholstered in a choice of matelasse covers. At better furniture and department stores. Send two-cent stamp to Dept. G for booklet.

UNION-NATIONAL, INC. . JAMESTOWN, N. Y.



CAST ALUMINUM FURNITURE FOR

Gracious Dining

A grouping of delicately sculptured cast aluminum for indoor and outdoor dining. Petal-soft pastels and white, specially finished to safeguard their beauty against rust and chipping.

molla, inc., 171 Madison Avenue, New York 16, N. Y.



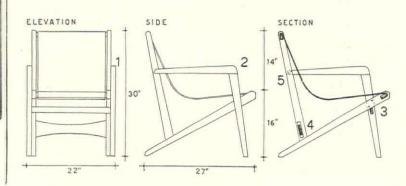
Write for name of dealer and illustrated catalog F11

Third in House & Garden's series of "U-Bild-It" articles

How to build a compact, modern armchair

If you enjoy working with your hands, here is a way to produce useful furniture at home

YVER since man felled his first tree, whetted a stone ax blade, cured L a hide, the urge to build has progressed with unabated gusto. Hobbyism-no respecter of age or season-seizes one or more members of every household with a perennial itch to construct everything from coat hangers to cradles. By using the Dal Fabbro method of easy-toassemble furniture you can turn out these sundries, progress later with wood, drawing paper and tools to original designs of your own invention. Mr. Dal Fabbro's plans are so practical that you will be confident of achieving success. This month, with an eye to summer comfort, we suggest you try making a simple armchair, built of hardwood, with back and seat in one piece of canvas or leather. The well-designed, multifunctional chair, shown above, takes minimum space in small rooms, is comfortable, not bulky. If you want to finish the seat in cowhide, buck- or deer-skin, you can use it indoors all season in your study or game room. If you have growing youngsters, this type of chair is a sturdy addition to their playroom. For outdoor use under shade trees or on a garden terrace, you may prefer to paint the chair frame in any one of House & Garden's 22 colors, and finish the seat in white sailcloth or canvas. For a detailed set of building plans, send 50c to Fabbrola Products, 110 West 84th Street, New York 24, New York.





Smart, durable and practical. Reversible seat and back cushions. Ideal for the living room, rumpus room or den.

At the better stores. For name of one nearest you, write Dept. G.

AMERICAN CHAIR COMPANY

SHEBOYGAN, WISCONSIN



Summer music festivals

from coast to coast

Wherever you go, you can vacation with music this year

TANGLEWOOD, MASSACHUSETTS

Bach, who is being played all over the world this summer on the occasion of the bi-centennial of his death, will be the pièce de résistance of the July Tanglewood festival. The Boston Symphony provides the background for visiting guest artists. Between July 8 and 16, the series of Brandenburg Concerti will be conducted by Koussevitzky, who will also direct the B-Minor Mass on August 10. On the 19th, James Friskin will play excerpts from the Well-Tempered Clavier and the Goldberg Variations. The Art of the Fugue, the solo violin sonatas and a selection of organ music make this festival unusually rewarding to Bach lovers. For the modern-minded, two new operas are on the program: The Jumping Frog of Calaveras County by Lukas Foss, after the Mark Twain classic; and Roi d'Yvetot by Jacques Ibert. This American premiere on August 7 honors a visit of the composer.

ASPEN, COLORADO

The Rocky Mountains' new festival center, which last year went all-out on Goethe, has an ambitious music program for this summer. Here, too, Bach is the mainstay. Chamber music will be emphasized, with the Paganini String Quartet, the Juilliard Quartet and the Albeneri Trio in residence as teachers and performers, Dr. Julius Rosenstock conducting the ensembles. There will be four performances of the Denver Symphony and concerts by the two-piano team of Vronsky and Babin. Modern compositions to be heard are by Hindemith, Stravinsky, Milhaud, Bartok and Britten. The Aspen Institute will sponsor a lecture series relating music to literary classics.

NEW YORK

At the Lewisohn Stadium, the big news for 1950 is that ticket prices for the 7,500 unreserved seats have been lowered to \$1.20 apiece including tax. Over the season, Dimitri Mitropoulos, Pierre Monteux, Vladimir Goldschmann and Efrem Kurtz will conduct. There is a list of distinguished soloists and several special events such as the Kurt Weill Memorial and a Brahms night.

HOLLYWOOD, CALIFORNIA

The 29th season of the popular "Symphonies Under the Stars" programs will open on July 7 with a performance of Faust, followed by eight weeks of ballet, opera and concert. Solo performers in the latter include Artur Rubinstein, Oscar Levant, Jascha Heifetz and Yehudi Menuhin. The conductor's baton will be wielded in turn by Rodzinski, Iturbi, Wallenstein and Koussevitzky, the last directing the

performance of Beethoven's Ninth which climaxes the season.

RAVINIA PARK, ILLINOIS

Novelties of the Chicago summer music season are the new \$185,000, fanshaped shed and the first American appearance of Josef Krips, former conductor of the Vienna Philharmonic. In all, there will be six weeks of symphonic music directed in turn by Messrs. Ormandy, Dorati, Steinberg and Monteux. The final week of chamber music features the Paganini Quartet with Lotte Lehmann and Claudio Arrau as soloists.

MONTREAL, CANADA

A gala performance of Bach's St. Matthew Passion opens the Canadian city's nine-day festival on July 24. The Orchestre des Concerts Symphoniques will perform twice under the baton of Dr. Wilfrid Pelletier. Bizet's L'Arlésienne will be presented on August 8. There will be an evening of ballet, one of folk arts, and performances of Shakespeare and Giraudoux.

BREVARD, NORTH CAROLINA

Off of highway 64 in the Great Smokies, a unique music camp called Transylvania will climax its 1950 season with a six-day festival. Held under the auspices of the Brevard Music Foundation between August 11 and 20, it will feature such works as Rachmaninoff's Second Concerto, the Eroica, the Tschaikowsky Concerto in D-minor for violin, the Dvorak New World Symphony and a full-dress performance of Verdi's Requiem.

CENTRAL CITY, COLORADO

Ever since 1932, this "ghost town" high in the Rockies has held an annual summer festival designed as a revival of the gold-mining days when Central City was a stop-off for touring opera companies. This year, the attractions will be Madame Butterfly, which will have 25 performances, and Don Pasquale, which will be given eight times. Both productions will be in English.

CARMEL, CALIFORNIA

Bach Week in this seaside resort will bring a superb cross-section of the great composer's works. The opening program presents the *B-Minor Mass* in the Sunset Auditorium. This is to be followed by organ recitals; a sampling of the great piano compositions; all the *Brandenburgs*; the *Well-Tempered Clavier*; cantatas and chorals; songs; concerti for stringed instruments; the *Concerto for Three Pianos and Orchestra*; and, finally, *The St. John Passion*. Before each concert there will be a special performance of trombones.



Open the way to an entirely new world of musical happiness with a smartly styled Gulbransen spinet piano in your home.

Encourage your children to study music...give them the opportunity of enjoying a fuller, richer life.

Gulbransen pianos, "America's Smartest Piano Fashions," famous for tone and styling.

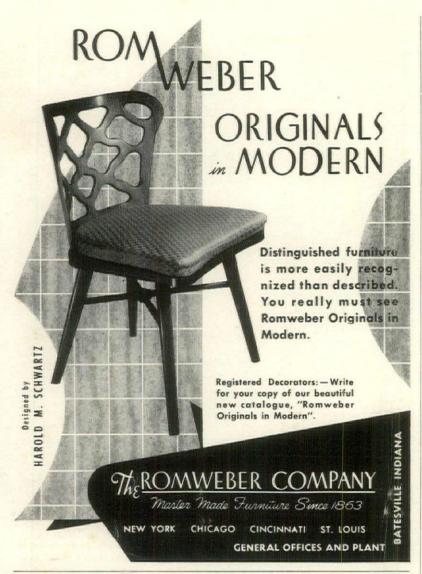
GULBRANSEN COMPANY

Dept. HG, 816 North Kedzie Avenue

Chicago 51, Illinois









MUSIC continued from page 42

In the classroom we find experiences in music taking place many times during the day. We no longer have music scheduled for 2:15 p.m. on Wednesday. Instead, it has become an integral part of language, arts, history, geography and even arithmetic, making each more meaningful. In the school of today, the students have a part in planning their activities, selecting materials and evaluating their experiences gained in working together. In this scheme of things, music education looms large and moves ahead, because young people have realized that music is not divorced from life but part of a philosophy

Official figures confirm the fact that music is a deterrent to juvenile delinquency. The New York Music School Settlement, located in the heart of the city's East Side, offers amazing evidence. Of the 30,000 children enrolled in its music program, no single one has ever come before a Juvenile Court. In Minneapolis, only one case of delinquency is recorded over a period of 47 years among the youngsters trained by the Boys Working Band. In Winfield, Kansas, where over 75 per cent of the children have musical ability and opportunity to exercise it, there is no delinquency whatsoever.

In the elementary grades, the playing of simple musical instruments is important because the children find them fun to play. This builds a favorable attitude toward music and the playing of larger instruments later on. Frequently in the smaller towns and villages we find that 80 or 90 per cent of the student body is studying instrumental music and playing in the band or orchestra. In larger towns and small cities, the average drops to 40 or 50 per cent, while in the metropolitan areas (where outside attractions are numerous) the percentages are still lower. The national average is low-only 8 per cent of school children receive education in music as part of their schooling.

There are some remarkably bright spots in the picture, however. In Houston, Texas, when the public school music department set up instrumental courses for the first time last year, supervisors anticipated an enrollment of only about 300 pupils. When the term started, the schools were swamped. More than 500 Houston children are now studying stringed instruments alone in nine elementary schools.

These courses don't attempt to offer a complete musical education; for advanced work the student must go to a private teacher. Nor are the Houston schools teaching music as an end in itself. The supervisor believes that through musical training the children can learn to accept responsibility, to appreciate beauty, can gain in concentration, intensity of effort and teamwork while finding release from tension. Very few children in the classes ever had music before and the school system believes they might never have learned to play an instrument without this course.

The supervisor of one Arizona elementary school attests the value of musical training in this way: "Our classroom teachers support our music program wholeheartedly. A child who has found the music period interesting and stimulating is easier to work with the rest of the day. Interests developed in music class can be capitalized on in social studies, language, arts. The life of the child can be greatly enriched by integrating his music experiences with work in other fields."

In Milwaukee, Wisconsin, the major part of the school music program is offered on Saturday mornings. Instruments are provided by the schools for children who cannot afford them. Two thousand boys and girls, between nine and 19, give up their Saturday morning leisure to take their lessons. In the elementary schools, 35 per cent participate in preliminary music. Supplementing this are numerous school choruses, bands and orchestras. The high point of the whole year's music lessons is a huge music festival, put on by all the schools, for the entire town. It is regarded by many adults (even with no children in school) as one of the city's more interesting events.

York, Pennsylvania, presents another high point. School children are offered a chance to learn to play an instrument, free and on school time, and are granted full school credits for it. Among York's 56,000 inhabitants, there are 56 bands, 50 choral groups beside the church choirs, 30 professional dance bands, a symphony orchestra, more than 100 Sunday-school orchestras and 200 barber shop quartets! In York, even the factory whistle plays tunes. Music has been ingrained in the people of the town from their school days. The mayor credits music with doing much to raise the standards of the city and enrich the life of its people.

This carrying over of school musical experiences into adult life is the primary aim of the school music program today. Many of our educators, realizing the importance of the music program, have enlarged the schedule to seven periods of 40 minutes each. This procedure is used in the Oak Park-River Forest Township High School, near Chicago. Such a schedule allows time for a large percentage of students to have some music. Assembly singing has been recognized by high-school teachers as an ideal way to achieve participation by all.

Schools today are alive to the importance of training intelligent listeners, without whom there would be no audiences for concerts, operas and recordings. Opportunities are offered to children of all ages to hear good music. If such a plan is to succeed, parents must support it in their children's home lives. The parents who discourage the musical interests of their children because they cannot bear the sounds of practicing-especially on stringed instruments during the "squeaky" phase are barring their children from such pleasures as playing in the orchestra or the chance of carrying their musical skill into adult life.

The school music program is more than just learning to play or sing. It is an entire philosophy of living. It enables our children to live more richly and to be stronger, better, happier and more co-operative. What greater gift can we give our girls and boys?

Write for these booklets

Music

Knabe at the Metropolitan Opera is a new folder which commemorates the 25th anniversary of the Knabe as the official piano of the Metropolitan Opera Assn. A full-page photograph has captured the mood of opening night at the Metropolitan. Photographs of artists appear, with a roster of performers during the 65th season. A sketch of the opera and photographs of Knabe grands and Mignonettes appear. Wm. Knabe & Co., HG 7, East Rochester, N. Y.

Gulbransen piano fashions appear in a small portfolio. Among the spinets here are Pinafore, Concord, Chippendale (whose styles are as varied as their names); nine consoles and seven grands, all beautifully finished and expertly constructed. Each carries the Gulbransen Warranty of Perfection. Gulbransen Co., HG 7, 816 North Kedzie, Chicago, Illinois.

Eye Witness Television makes the RCA Victor an outstanding choice with such features as the picture synchronizer, automatic multi-channel station selector, tone system. Table models and consoles are handsomely designed. RCA Victor Div. Radio Corp. of America, HG 7, 36 West 49 St., N. Y.

The Hammond Spinet has a richness of tone, "harmonic drawbars," six controls and many of the other excellent features of its relative, the Hammond Organ. Two other booklets feature the Hammond Church Organ and the Solovox, that melodious attachment to your piano which effects sustained, singing tones. All booklets available from Hammond Instrument Co., HG 7, 4200 W. Diversey Ave., Chicago 39, Illinois.

The Creation of Quality is one of several booklets from the Wurlitzer Co. It describes how organs are made. A specialist checks organ key action, an electronic technician adjusts the tone selectors, and experts check on experts. Engineered test equipment checks the work of production and assembly divisions, and will uncover the tiniest flaw in an amplifier circuit. An ingenious mechanical organist, its steel fingers running the scale over and over, checks the organ keyboard. The Rudolph Wurlitzer Co., HG 7, N. Tonawanda, N. Y.

Piano Style Book shows the Jesse French styling and many important features. Tone, key action and tuning charts enable you to make your own decisions about the Jesse French piano. Models are shown, among them the Rhapsody, in toasted mahogany, and the new 5'2" grand, traditional in styling, musically, mechanically and artistically an outstanding piano. Jesse French & Sons, HG 7, Piano Div. of H. & A. Selmer Inc., Elkhart, Indiana.

The new Musette piano is a portfolio of spinet pianos. Mahogany and walnut woods are a rich covering for the detailed specifications for strings, sounding boards, keys, bridges, etc.,

which go into making these spinets. Photographs enable you to choose the model for your music or living room. Winter & Co., Inc., HG 7, N. Y. 54.

The Everett in your home is a guide booklet to the selection of a graceful, small piano-furniture-styled for your house. A selection of models is made for contemporary or traditional room settings. New dyna-tension scale gives depth and brilliance of tone to these small pianos. Everett Piano Company, HG 7, South Haven, Michigan.

The backbone of aluminum that lightens modern pianos is known as an Alcoa Aluminum piano plate. Harpshaped, it lightens your piano, makes for a fine tone. Booklet shows how plates are tested. Aluminum Co. of America, HG 7, 801 Gulf Building, Pittsburgh, Pennsylvania.

How to choose your piano is a fascinating booklet by Steinway. Shown are the Hepplewhite, the Ebonized grand, Early American, Pianino, Mahogany grand and the Louis XV. Technical features of the Steinway are elucidated, as is the famous Steinway reputation. Steinway & Sons, HG 7, 109 W. 57, New York, New York.

Furniture

Romantic Revival in the 1950's is a booklet about Widdicomb bedroom furniture. We particularly like the excellent Widdicomb storage partitions which enable you to put almost everything in its place, and have a place for everything. Shown also are small commodes, swing beds joined to one headboard, high chests and dressing tables. 25c. John Widdicomb Co., HG 7, 1 Park Ave., New York, N. Y.

Period Tables form a decorative background for prized bibelots, keep books conveniently at hand, hold ash trays, magazines, flowers and lamps. If you use your living room for entertaining you'll want a cocktail table, quietly elegant. For everyday life, you'll like a drum table, a capacious book-lamp table, a step table. Sketches help you in your decorating, 10c. Cowen Furniture Mfg. Co., Inc., HG 7, Chicago.

Miscellaneous

Charm all over the place shows you Craig Creations-those delightful informal curtains which can be used in every room of your house. A variety of styles leave you no curtain problems. Lord & Taylor, HG7-Curtain Dept., 424 Fifth Avenue, New York 18, N. Y.

KoolVent ventilated aluminum awnings give you year 'round comfort, modern, colorful beauty, and all-weather protection. Shown in color, these awnings are designed and custom-made to harmonize with the architectural style of your house. A baked-on enamel finish cleans readily with a damp cloth and retains its beauty for years. KoolVent Metal Awning Corp. of America, HG 7, Keystone Building, Pittsburgh, Pa.



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EXALGAE may be poured directly into the pool-no special equipment is required. And after the first application, little need be added each week for continued protection. (Three to four gallons will keep the average private pool algae-free throughout the summer!) NOTE: Since EXALGAE destroys minute water growths, it is not recommended for fish pools or lily ponds.

For complete information on keeping your pool water sparkling clean, send 10¢ (handling cost) for "Swimming Pool Handbook."

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Aluminum Casement WINDOWS



SISSINGHURST continued from page 62

trees, twenty to thirty feet high at a modest estimate, drooping their sweetscented tassels of flower in June. A good tuppeny worth.

The only exception was the four big yews in the courtyard. Here we did take a risk. We found them in a nurseryman's garden, to which they had just been transplanted from Penshurst churchyard. The parishioners of Penshurst apparently thought them too gloomy and threw them out. They were old trees, but they were just what the courtyard at Sissinghurst demanded and we chanced it. We were justified: they all survived, and they now look as though they have been there forever. We did take some trouble over these; we sank drainage-pipes down to their roots, and poured bullock's blood into them. I used to absent myself while this unpleasant operation was taking place; but I now feel that the five pounds the four trees cost me was a fiver well expended.

In the same nurseryman's garden I found an old rose growing against the office wall. It was a very deep red, fading to purple, with the strongest rose scent that ever a rose had. They were rather contemptuous of it; didn't even know its name; hadn't even bothered to propagate it. They said I could have the old plant if I liked to risk moving it. I risked it; it bore the move; and has turned out to be Souvenir du Docteur Jamain, a climbing hybrid perpetual almost lost to cultivation. It strikes easily from cuttings, and now

has a lot of children, both in my own garden and at Messrs. Hillings, at a price.

All this was great fun, but we had to get on with the hedges. We planted hornbeam where we couldn't afford yew; and we also planted an avenue of young limes in a rough place and left them to look after themselves. The result of this can be seen in the photograph showing the pleached walk with a statue looking down it. It is now the spring garden. Primroses and polyanthus in a carpet of color grow beneath bushes of golden forsythia, with many bulbs of narcissus, Scilla, grape hyacinth and the like. It is prolonged and finished off by a huge expanse of colored primrose and polyantha growing beneath old nut trees of Kentish cob and filberts. At the end of all this is the herb garden, which always seems to allure visitors, no doubt because it is a secret sentimental little place. "Old World charm" is the phrase I always expect to hear; and nine times out of ten I get it. But, less romantically, the herb-garden does supply very useful things to the kitchen.

How shall I sum up this garden, that has been made in so short a time, and yet looks so matured that it might have been here for as long as the old Tudor house round which it has been made? This may sound sentimental, but it is very true. One needs years of patience to make a garden; one needs deeply to love it, in order to (Continued on page 105)



densation drip that falls from cold water pipes in basements and utility rooms, especially during warm weather.

Now you can turn idle space into play or work rooms for comfortable summer living. Keep store rooms dry.

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Just wrap cork-filled NoDrip Tape around pipes and joints. You can do this yourself. No-Drip Tape is clean and easy to put on in a few minutes. It's effective immediately— stops the drip and protects pipes against rust. NoDrip Tape requires no maintenance and lasts indefinitely. The first cost is the only cost.

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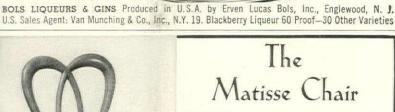
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SISSINGHURST continued from page 104

keep that patience. One needs opti-mism and foresight. One has to wait. One has to work hard oneself, sometimes as I worked hard, manually, during the war years, cutting all those hedges with shears in my spare time. I hated those hedges, when I looked at my blistered hands; but at the same time I still felt that it had been worthwhile planting them. They were the whole pattern and design and anatomy of the garden; and, as such, were worth any trouble I was willing to take.

The rest of the garden just went wild during the war years. We had begun to get it tidy, and then it reverted to the wildness in which we had found it in 1930. We could not cope with it at all. Now it is better. We have spent the three years since the war ended in eradicating the weeds and getting things back into some sort of order. It was like starting at scratch again, and I must record my gratitude to my admirable gardener, John Vass, who returned to us after an adventurous career in the R.A.F., and whose keenness, intelligence, energy and devotion have gone far towards making the garden what it is.

PORTUGAL continued from page 79

TRANSPORTATION TO PORTUGAL

By air: Pan American World Airways has 5 flights weekly from New York to Lisbon, stopping at Boston and the Azores. Flying time: 14 hours. Trans World Airlines has 8 flights weekly from New York to Lisbon, stopping at the Azores and 3 times a week at Boston, Flying time: 163/4 hours. One way fare by either is \$356. Round trip fare varies depending on whether you travel during the "on" or "off" seasons. The "on" season extends from April 1 to August 31 for eastbound planes, from July 1 to November 30 for west-bound planes. The "off" season occu-

pies the remaining months of the year. The round trip fare if you go and return during the "on" season is \$640.80; if you go "on" season and return "off" season, \$557.80; if you go and return "off" season, \$474.70.

By sea: The Home Line has monthly sailings from New York to Lisbon, with the Italia and the Brasil alternating. Minimum first class fare is \$290, one way; \$580, round trip. The Greek Line's Nea Hellas sails every 5 weeks from New York, Minimum first class fare is \$385, one way; \$770, round trip. The trip takes approximately 9 days on both lines.



The three glassware pieces shown here were chosen by the selection committee of the Museum of Modern Art as examples of some of the best in modern design for home furnishings in 1950. Designed by Winslow Anderson, they represent a combination of the modern touch with one of the oldest of arts—glass blowing. All Blenko glassware is handmade and has the charm which is imparted to it by the skilled artisan. Though not produced in volume, the many types of Blenko glassware can be seen at better department stores and gift shops. Write for catalogue showing the complete line.

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*Names supplied upon request.



HELLER HOUSE continued from page 53

BUILDING DATA

STRUCTURE: Screened area: twin 2"x8" Douglas fir studs, phenol impregnated; Teco rings, bolts-Timber Engineering Co.; Alcoa aluminum strip screen supports, bracings, railings-Aluminum Co. of America; open web steel joists-Jafra Inc. Enclosed area: concrete block. FLOORS: Main floor: precast, prefinished cement slabs-Three Star Industries; precast concrete joists-Lith-I-Bar Co. Second story and pool level: poured reinforced concrete (also forms ceiling below). ROOF: 2" Cemesto board (also insulates) - Celotex Corp.; with roll roofing-Flintkote Co.; two bays of canvas; Lumite plastic screening-Chicopee Mfg. Corp. PARTI-TIONS: Weldtex plywood-U.S. Plywood Corp.; bathrooms, plaster, tile-Architectural Tiling Co., Inc.; DOORS: Living room, wood-framed, glass sliding; entrance, Flutex glass; kitchen, jalousied doors; wood elsewhere. WINDOWS: Glass, wood jalousies-Universal Jalousie Corp.; Sealuxe windows-Universal Corp. GLASS: Entrance, Satinol Flutex-Blue Ridge Glass Corp.; translucent Cathedral glass in Sealuxe windows-Pittsburgh Plate Glass Co. FINISHES: Wood Life on exposed lumber-Protection Products Mfg. Co.; Grip-on cement paint-4-Most Stores Co., Inc.; Saf-T-Dek on deck, Granitex sealer on pool terrace slab-Truscon Laboratories; swimming pool, Hydroflex-Phelan-Faust Paint Mfg. Co. HARDWARE: Schlage Lock Co.; Har-vey sliding door tracks-Metal Products Corp. ELECTRICAL WORK: Fixtures-Kurt Versen Inc.; outlets, switches-Bryant Electric Co.; door chimes, buzzers-Edwards Co., Inc. HEATING: Wall heaters-Markel Electric Products, Inc. PLUMBING FIXTURES: American Radiator & Standard Sanitary Corp. KITCHEN EQUIPMENT: Range, oven-Thermador Electrical Mfg. Co.; refrigerator-Westinghouse Electric Corp.; counters -Formica Co.; washer-Frigidaire. CONTRACTOR: Zenith Builders. Inc.

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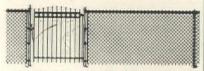
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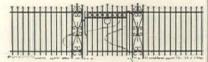


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AIR MINDED

continued from page 72

Following is the shopping information for the accessories on pages 72-73.

All prices are approximate.

FLOOR COVERING: Ficks Reed hemp rugs 6' x 9', \$43 at William P. Taylor & Co., New York.

ON CORNER BENCH: Round glass ash tray \$18; cigarette urn \$10, Bonniers Schlumbohm cork ice bucket \$22.50, New Design.

ON COCKTAIL TABLE: Cigarette urn \$10; square glass ash tray \$17.50; art books; basket \$14.50, all at Bonniers. Basket is filled with mimosa. Large black plastic plate \$5; glass pitcher \$7.50; mugs \$12 doz., New Design.

ON DINING TABLES: Woven mats \$3.50 ea., black plastic luncheon plates \$1.75 ea., individual red plastic salad bowls \$1.75 ea., large red plastic bowl (page 73) \$7.50, Swedish tumblers \$18 doz., Swedish stainless-steel forks \$17.40 doz., salad forks \$15.60 doz., knives \$19.80 doz., New Design; wooden salt & pepper shakers \$1.80 pr., Bonniers; white linen napkins \$7 doz., Schoenfeld Linens. All in New York.

FIREPLACE: "Sunburst" tiles 111/2" sq., 1/2" thick, gold overglazed, 1 doz. \$15 ea., 2-3 doz. \$12 ea., more than 3 doz. \$10 ea., by Richard Cromwell, Hollywood, Calif. Woven wood basket on floor near chaise \$6.75, Bonniers, N. Y.

TELEVISION

continued from page 44

Here is the shopping information for the merchandise shown on page 45. All prices are approximate.

TELEVISION: R.C.A. Victor traditional design television, radio and two record players, 45 rpm and 78-331/3, mahogany, 43½" h., 40¾" w., 25½" d., 16" screen \$795. (Write to House & Garden for stores which have this set.)

FURNITURE: All by the Kaplan Furniture Co., at B. Altman & Co., New York. Gerald Hepplewhite armchair, mahogany 23" w., 20" d., 27" h., \$210 in muslin; Lowell wing chairs 45" h., 27" w., 19" d., \$190 ea. in muslin. Chairs upholstered in "Porcelain" leather from The Upholstery Leather Group. Ames Sheraton drum table, mahogany with tooled leather top 36" diameter, 29" h., \$249; Edgewood Regency sofa table, mahogany crossbanded with rosewood, 341/2" l., 26" d., 28" h., \$495; Heaton English type over-stuffed sofa, kidney shaped, tapered legs 59" 1., 20" d., 29" h., \$425 in muslin. Upholstered in Scalamandré Silks chartreuse antique cotton velvet 54" w., available through decorators. Baldwin cocktail table, mahogany, 34" 1., 27" w., 19" d., \$119.

FLOOR COVERING: Bigelow-Sanford "Cassandra" "Lokweave" carpet, Willow green, 9' wide, \$13.95 sq. yd. at Altman's, N. Y.

ACCESSORIES: Portrait of Ann Carol by Henriette Wyeth \$500, Portraits, Inc. Italian porcelain tureen \$45, Ruth Berlin. Mutual-Sunset ironstone lamp \$70 with shade, Lord & Taylor. Green glass bowl \$35, Piazza. "Lettuce leaf" bowl \$56, James Amster Assoc.



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Look for this tag on fine furniture DU PONT TUPHOLSTERED WITH PLASTIC UPHOLSTERY

Better Things for Better Living . . . through Chemistry

HERBS continued from page 84

will want to grow herbs from seed. If you are a beginner, or anxious to get started at once, you can purchase small plants, either seedlings or rooted cuttings from nurseries (or herb farms) which handle these plants. You may sow seed in the early spring indoors in flats or pots in one part compost, one part loam and two parts of sand. When the young seedlings are about four inches high and all danger of frost is past, transplant them outdoors, protecting with a cover the first few days.

HARVESTING AND STORING

During the summer when your herbs start to flower, they have the most oil, and thereby flavor. Gather them on a clear day as soon as the dew has dried. Cut off any bottom leaves that are dirty, tie them in bunches and hang them head down for two weeks, in a warm, dry, airy place, out of the direct sun. If you cut your annuals back no further than 4", some will send out new side branches. Cut only the top two thirds of your perennials early in the

When your herbs are dry, strip the leaves from the stems, keeping each variety separate. If the leaves appear to be dusty, drop them, one variety at a time, into bags made of tobacco cloth. Hold the open end closed, the other end in your other hand, and shake well. You will be surprised at the amount of dust removed. Then store each variety in individual, well-marked, air-tight containers in a warm, dark place.

HERBS FOR FLAVORING

In your cooking, you are almost sure to like: dill with fish, mint with lamb, basil with tomatoes and summer savory with green beans. But this is just a beginning. Experiment with herbs. If a single herb is sharp, use it in combination with one or more other herbs whose flavors are more bland. An example of this is the famous fines herbes of French cookery. You will quickly discover the combinations you like best. An easy way to use these fines herbes is in herb butter, which you may make by creaming one-quarter cup of unsalted butter with a few drops of lemon juice and then adding one heaping tablespoon of your favorite herb combination, chopped fine; melt and pour it over your meat, fish, etc.

Another use for fresh herbs is as a bouquet garni, which in France consists of a sprig of thyme, chervil, a bit of bay leaf; in Italy, a sprig of parsley, thyme, marjoram and bay. Tie these herbs in a bag, add them to soups or stews the last hour of cooking and remove them before serving.

When you use dried herbs in cooking, remember two things: exposure to air deteriorates their flavor and long cooking makes them bitter. Grind only a small amount at a time, place them in small, well-labeled jars.

Dried herbs are stronger in flavor than fresh ones, so in cooking use less, about one teaspoon to a quart of bulk, and do not cook over an hour. If the

(Continued on page 109)



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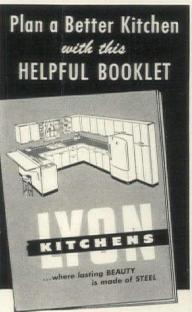


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CITY

STATE____

HERBS continued from page 108

recipe you are preparing requires only a short time to cook, it is well to soak the dried herb about half an hour in the liquid called for in the recipe, before mixing it.

HERB VINEGARS

Another method of preserving herb flavors is in vinegar. Use cider vinegar which has not been treated with a preservative. In a clean quart jar, place a handful of a single herb, cover with vinegar, seal and place in the sun for two to three weeks (in warm weather). Shake occasionally. Strain through several thicknesses of cheesecloth, bottle it and store in a dark place.

PICKLING HERBS

You can make delicious pickles with the tender green seed pods of nasturtiums; pickles with dill are famous, and do not forget horseradish. For this last, use only white wine vinegar, as cider vinegar will darken the horseradish. It will not keep indefinitely; make it up fresh as you need it.

HERBS IN JELLIES

Another delightful way to use herbs is in jellies. For flavored apple jelly, prepare your regular basic recipe, taking care not to use apples with too much color if you wish to have your jelly green. After you have strained the juice, but before you add the sugar, put a handful of mixed herbs, or mint.

rosemary, or rose geranium into the kettle with the juice; bring slowly to a boil, stirring and bruising the herbs from time to time. The herbs will rise to the top and come off when you skim.

HERB TEAS

Many people like herb teas, iced in summer, served hot in winter. To make them, take a handful of fresh herbs, place in a porcelain or glass pot, pour boiling water over it and let steep for 15 to 20 minutes. If using dry herbs, prepare in the same manner, but use only one tablespoon of herbs. Strain the infusion into heated teacups and sweeten with honey, add perhaps a slice of lemon. Refreshing teas may be made from basil, marjoram, sage, thyme, rosemary and lemon verbena as well as from bergamot, spearmint, peppermint, lemon balm and camomile.

POTPOURRI

You can take the fragrant herbs (lavender, rosemary, rose geranium and lemon verbena) and add them to dried petals of roses and other flowers to make a potpourri or sachets. Use rose petals and lavender blossoms, which retain their fragrance. Keep each one in a separate, nonporous container until you are ready to mix them. You may fortify the rose petals by adding a few drops of commercial oil of rose, and add oil of lavender to your lavender.

When you are ready to mix your (Continued on page 112)



Just a flick of the wrist, and your windows go up with a pfft! That's the easy opening you enjoy when windows run on the silky-smooth metal tracks of Master No-Draft Sash Balances. No sash can stick or bind on these tracks - even when the wood is wet. Another reason why Master-equipped windows work so easily is that Master contains a perfectly-balanced steel spring that pulls them up and lets them down gently. All you do is give them a little start. Master gives you weather-strip protection, too! Keeps out dust, wind and water-saves up to 25% on your winter fuel bill. Master No-Draft Sash Balances are simple to install, and our installers all over the country are ready to fix your windows now.



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Mid-Century Hybrids are the com-pletely hardy lilies every gardener has been waiting for. They grow, multi-ply and flourish in your garden year after year. Magnificent plants bear huge, open clusters of exquisite flowers in a myriad of bright colors that glow with a luminous sheen.

Our catalog lists 12 distinct, vigorous, easily grown, hardy varieties. The most outstanding is *Enchantment*, first American lily ever to capture the coveted British Lily Society Award.

Special Introductory Offer

You will share our enthusiasm about these fine new lilies when you see them. From the many dazzling colors, a glorious mixture of yet unnamed varieties has been selected for this special offer. *Mid-Century Mixture* 3, \$3.50; 12, \$13.75; 25, \$26.25.

OUTSTANDING NEW IRIS

Wayside Gardens' unusually large and splendid stock of fine perennials can-not be equalled elsewhere. Page after page of cherished old standbys and

page of cherished entrancing new in-troductions — all field grown, guar-anteed, superior quality plants.



We particularly call your attention to the following prize-winning bearded Irises—Ola Kala, Azure Skies, Blue Shimmer, Lady Mohr, Mulberry Rose

and the justly fa-mous Great Lakes, universally recog-nized as one of the best sky blues.

> Blue Shimmer

NEW DAFFODILS

Simply wonderful things are happening in the daffodil world-new im-proved strains have been developed that surpass in beauty and stamina, any of the existing varieties. Enor-

Pink Daffodils. Delightful pink and apricot tinted flowers that rival or-chids in their jewel-like perfection. 12 stunning new varieties with Siam destined to become a top favorite. For many other exciting new daffodils, see Pgs. 30 to 41 in our Fall Catalog.

IMPORTED TULIPS

Wayside Gardens, America's largest importer of new, rare and unusual tulips is years ahead of everyone else in the number of new tulip varieties presented. If you are undecided about the color or types to buy, we heartily recommend our "Special Collection" an excellent selection of big, long stemmed beauties at tempting prices. mous flowers of breathtaking splendor grow, multiply and bloom gaily unafraid of sun, wind or rain. Incomparable Duke of Windsor and Green Emerald are the best new varieties.



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30 MENTOR AVE.

MENTOR, OHIO

Here are two ways to achieve control of crabgrass; one by spreading a dry compound, the other (page 113) by spraying with a solution.

Control crabgrass with a dry compound

Easy to spread on your lawn, use it on any dry day

For the last 25 years, various experimenters have tried to develop chemical Control for crabgrass, that annual invader of summer lawns. Among the materials tried in the past with more or less success were iron sulfate, sodium chlorate, ammonium thiocyanate, various arsenicals, even oils. None have come into extensive use because they are non-selective, that is, if they worked on crabgrass they also injured or at least severely browned the desirable grasses. More recently, forms of organic mercuries have been used with much greater success than anything previously tried.

The crabgrass problem has been a particularly challenging one to makers of lawn care products. Because of interest in promoting the idea of better lawns, one company has, in the last 10 years, devoted more of its extensive lawn research efforts to crabgrass control work than to anything else.

The results of this long and painstaking effort are now visible in a new product-a clean, safe, dry compound called SCUTL. It incorporates a differential chemical with an inert carrier and is quickly applied with a spreader.

Applications can be made with relatively little discoloration to your lawn, except for the fading plants of crabgrass. What's more, SCUTL seems to work on both major types of crabgrass. Digitaria sanguinalis, the large hairy crabgrass and more common type, extends roughly from Philadelphia south to Washington, and west in about the same latitudes, to the Rockies and south to northern Texas. D. ischaemum is the type commonly found in New England, along the Atlantic Coast to New York, Its small, smooth blades can become quite objectionable by late summer, but it does not creep by rooting joints as much as the large type. Both are found on the West Coast.

One of the active ingredients in the new compound is an organic mercury compound. The use of mercury for this purpose seems first to have been suggested late in 1946 by scientists of Rhode Island State College (see article on page 113). After three years' intensive work, a successful formulation of a dry-applied compound has been developed.

Thorough trials were inaugurated in various sections of the country, using eight or 10 slightly different formulations, results of screening of hundreds of tested compounds. Applications were made to crabgrass in all stages of growth. From these tests one coded formulation emerged as superior in performance to the others tested.

This new compound, now called SCUTL, has been developed by O. M. Scott and Sons Company. It is of granular consistency, free from dust. Dosage is very light, so spreader application is recommended to attain evenness. While not essential, the best

times to apply SCUTL are in the late afternoon or early evening. Try to make your application 12 hours before rain is expected. Delay mowing for a couple of days after each treatment; resume watering after 24 hours.

The use of this dry granular material takes advantage of a structural difference between crabgrass and the desirable grasses. Crabgrass leaves are flat, coarse and prostrate so they catch and hold the crystals while good grasses retain only a small portion.

A crabgrass control program is best started in July to keep a lawn green and fresh looking through the balance of the summer. By that time, the season's crop will be 75% germinated but the plant will not have spread enough to represent a large portion of the vegetation. Accordingly, there will be a minimum of discoloration as the plants die.

Two or three treatments are suggested at seven to 14 day intervals, so the material will have three or four weeks' time to do its work. The repeat treatments catch late-germinating crabgrass as well as the plants which may have been skipped accidentally before. If you delay until mid or late August, a bit more drastic approach is necessary. By that time, crabgrass will be of coarse, stemmy growth, the large hairy variety in matted patches, both varieties shooting seed heads. In this condition a double rate treatment is advised, repeated once in every seven to 14 days.

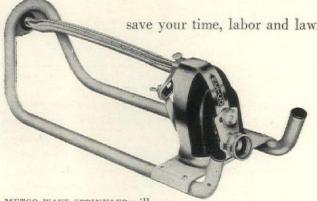
After such treatment, the crabgrass will turn an ugly brown, but you will have stopped it from smothering the desirable grasses, and from setting any further seed. Then you can get fall feeding and seeding under way to restore your lawn to its full beauty.

Among the tests made last year, Dr. L. W. Kephart, recently retired Senior Agronomist, Weed Investigations, United States Department of Agriculture, reported: "I have seen many crabgrass control experiments in the past 30 years but none as outstanding as these. . . . Patches of the large hairy crabgrass were dead while all around were bright, vigorous areas of Kentucky bluegrass and bent grass."

J. WILKINS LENTZ

Gardener's gear

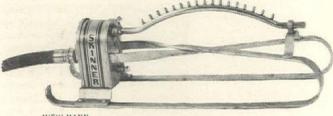
These water-conserving aids will also save your time, labor and lawns



METCO WAVE SPRINKLER will water every corner of a plot 40' x 50'. Easily adjusted to smaller areas. Alternating device insures deep penetration. \$16.95. Metallizing Engineering Co., Inc., 38-14 30th St., Long Island City 1, New York.

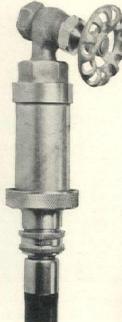


HANNAY HOSE REEL is ready for instant use, whether you wish to use 1' or its full 150' hose capacity, Reel without hose costs \$29.95. Clifford B. Hannay & Son, Inc., Westerlo, N. Y.



SPRAY WAVE sprinkler, a miniature irrigation system, gives a large swinging fan of water to lawn areas up to 40' x 50'. Adjustable speed of travel, length of swing, direction of sprays. \$18.95 f.o.b. Troy. Skinner Irrigation Co., Troy, Ohio.





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EASY TO APPLY from handy shaker box or with spreader

Now, thanks to Scotts Lawn Research, the infiltration of coarse, ugly crabgrass in your lawn can be stopped . . . easily, quickly and without harm to lawn grasses. SCUTL is a dream come true—the treatment is so simple anyone can do it. SCUTL your lawn now and kill crabgrass before its millions of seeds mature. At Scotts Dealers, or write OM Scott & Sons Co, Marysville, Ohio.

COSTS SO LITTLE

1250 sq ft box \$ 1.95 400 sq ft box - 95c

A Proven and Warranted Scotts LAWN CARE Product Leading Agronomists comment on their 1949 tests with the SCUTL formulations

"In my Crabgrass control experiments over the past 30 years, none were as outstanding."

"It killed up to 90% of the crabgrass, leaving the lawn unharmed."





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No more standing with a hose . . . Lawn Master does a better job, leaving You free! Sensational Lawn Master glides slowly across lawn or garden . . . gently, thoroughly soaking an adjustable circle 8 feet to 65 feet wide. Shuts itself off:

Grips your hose (rubber or plastic) to . . . No wheels to slip or bog down. So light a child can handle it! Sensible, fool-proof principle; mechanically RIGHT and fully guaranteed. Nothing else is "like" the practical, light weight Lawn Master!

Follows hose around turns—even to 90°. Light—weighs only 6 pounds. Easy to start and reset.

Powerful! Pulls a long length of hose, even up hills and banks. Full-enclosed lubri-cated power unit.

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KILLS

CRABGRASS

Just Spray It On

HERBS continued from page 109

flowers and fragrant leaves, set out all your ingredients together including ground cinnamon and cloves, as spices, some orris root and powdered gum benzoin. Take a large bowl and put into it a small amount of your flowers and herb leaves (mentioned above) and mix thoroughly. Continue adding until you have about two quarts of the mixture, then add teaspoon of spice (the ground cinnamon and cloves), teaspoon of powdered gum benzoin and tablespoon of orris root and mix well. Put mixture into glass container and revolve slowly. If it separates, add more herb leaves or petals. Keep in airtight container in the dark 3 or 4 weeks.

HERBS IN THE HOUSE

Before the first frost, pot some seedlings for your kitchen window (provided you have a sunny window and you cook with electricity, gas will injure your herbs): parsley, about five plants to a bulb pan (a low, broad flower pot), basil, marjoram, thyme (a young rooted branch) and rosemary (which will not winter in cold climates). Chives brought into the house in the autumn do not thrive very well. However, if left in the ground to freeze, and dug up in a late December or early January thaw, they will then produce vigorous plants.

GROWING HERBS continued from page 84

by pouring cool, sudsy water over them several times.

FRAGRANT HERBS

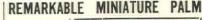
LAVENDER (perennial). Start indoors from seed or cuttings. When the two bottom flowers, which blossom first, have withered, clip plant to desired shape. Dry flower stalks. Tie up plant in winter. Be patient in the spring as lavender is a long time coming up, but never fails if covered with snow. If you have an open winter, protect plants with burlapped frame as for boxwood.

ROSEMARY (evergreen shrub in warm climates must be treated as tender pot plant in the north) roots readily from seed which should be started early indoors. Winter some plants in the kitchen and take cuttings in January. Both a fragrant and culinary herb.

ROSE GERANIUM (tender pot plant) is raised from cuttings rooted in sand; or buy plants. Seems to do well anywhere. Store plants in a cool cellar for winter. LEMON VERBENA (tender pot plant) is raised from cuttings, set out in the garden after all danger of frost is past. Winter in a cool cellar.

CLOVE PINK (perennial). Plant seeds in June or July. Set in border following spring. Cut off pods for future.

For help in locating sources of herbs and herb plants, write to House & GARDEN'S Reader's Service, Greenwich,



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FARR NURSERY CO. Box 175, Womelsdorf, Pa.

You can spray away crabgrass

Use low concentrations of phenyl mercuric acetate

RABGRASS, scourge of lawn owner and greenskeeper for years, has met its match. Now you can spray away this ugly pest as easily as you knock out dandelions with 2.4-D. Phenyl mercuric acetate is the answer—a chemical first used for control of fungus diseases of turf before it was noted that it would also kill crabgrass. Crabgrass, in case you're not sure, is that rank, stemmy grass that appears in lawns everywhere and chokes out the fine turf grasses. It is an annual plant, and it always comes popping up in your lawn about the time of the first hot spell. It's lighter green than the average lawn grass and takes on a purple tint as it grows and spreads. Then in the fall, it turns brown and dies, leaving unsightly areas on your lawn.

Phenyl mercuric acetate solution can change all that. You apply it as a spray, using low concentrations. Also, one firm has developed a successful formulation combining solubilized phenyl mercuric acetate with 2,4-D.

At recommended concentrations, the chemical does not harm the desirable lawn grasses. In concentrated quantities (as it is in the bottles) it is poisonous, so handle it with care. Diluted solutions as used for crabgrass spray are relatively nontoxic.

Good news also is that phenyl mercuric acetate is now on the market in a powdered form (as described in the article on p. 110). The Rhode Island Station will test this dry type this year.

Phenyl mercuric acetate as a crabgrass killer was discovered accidentally, as so often happens in science. Four years ago, a co-operative turf disease project was being run in Rhode Island. One of the workers noticed that every plot treated with a phenyl mercury compound had little or no crabgrass. This find immediately set off three years of intensive study of the compound as a crabgrass killer.

Several other compounds, such as sodium arsenate, 2,4-D and potassium cyanate, were tested also. These trials were on crabgrass in the lawns of Kentucky bluegrass, various bent grasses and the fescues. In almost every case phenyl mercuric acetate did the best job of killing crabgrass with the least injury to the lawn grasses.

Tests at other experiment stations have given similar results. The workers noted that phenyl mercuric acetate (in spray form) sometimes discolored the turf. However, this discoloration was not serious and usually happened on weakened turf, when temperatures were extremely high or soil very dry. This chemical has been applied on healthy putting-green turf as often as 10 times in a season without damage.

In the past, fall has been generally considered the best time to plant a lawn for the new seeding has all fall and early spring to make a good, healthy stand of new grass, before the hot summer comes with its weed and disease troubles. Since phenyl mercuric acetate has been on the market, spring-

seeded lawns have a much better chance for success. By eliminating the crabgrass, the young grass gets a good start.

Ordinarily, two applications of phenyl mercuric acetate will give excellent control of crabgrass.

The spray is best applied when the crabgrass is young, then repeated again within 10 days to two weeks, depending on weather conditions. Only precautions about applying the spray are that in hot and dry weather it is more apt to discolor the grass.

(Editor's note: The dry product discussed on page 110 is safer to use in hot weather as the crystals stick just to the broader crabgrass foliage and so are less harmful to the finer grasses.)

Unfortunately, perhaps, sprinkling cans do not work too well, but a small garden sprayer is fine for the job. The idea is to get a fine coating of spray distributed evenly over a specified area.

The Rhode Island tests show that 2½ ounces of 10 per cent phenyl mercuric acetate solution in five to 10 gallons of water per 1000 square feet on established lawns will do the job. On new lawns, two ounces of 10 per cent phenyl mercuric acetate solution will be enough. The exact amount of water needed varies with the type of sprayer, nozzle and pressure that you have.

Detailed directions come with the chemical. Several different concentrations are available.

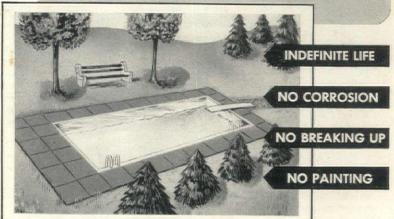
Crabgrass can be beaten! Two or three sprayings a year at the right time with phenyl mercuric acetate can make your lawn smooth and green, free of this coarse, unsightly, choking weed.

> J. A. DEFRANCE AND D. E. WELLS Agricultural Experiment Station Rhode Island State College

(Editor's note: Products for crabgrass control act differently in various sections of the country, depending on many factors, including climate, weather, soil conditions, types of other grasses and differing chemical formulations. If you wish detailed information for your particular region, it is advisable to write directly to your own State Experiment Station.)

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WEST VIRGINIA Glass



GEAR continued from page 111

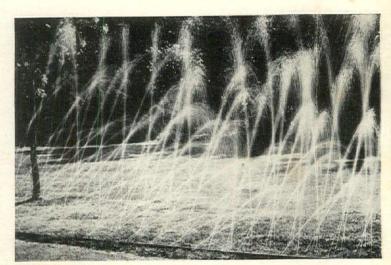
STAMCO lawn sprinkler gives oscillating spraying action over areas from 10' x 10' to 40' x 40' by regulating water pressure. \$7.75. Stamping Products & Mfg. Co., Detroit, Mich.

sunbeam rain king's button control, right, sets spray for lawn areas 5' to 50' diameter; automatically gives rainlike shower. Model K, \$7.25 (Denver and west, \$7.50). Sunbeam Corp., 5600 Roosevelt Rd., Chicago, Illinois.

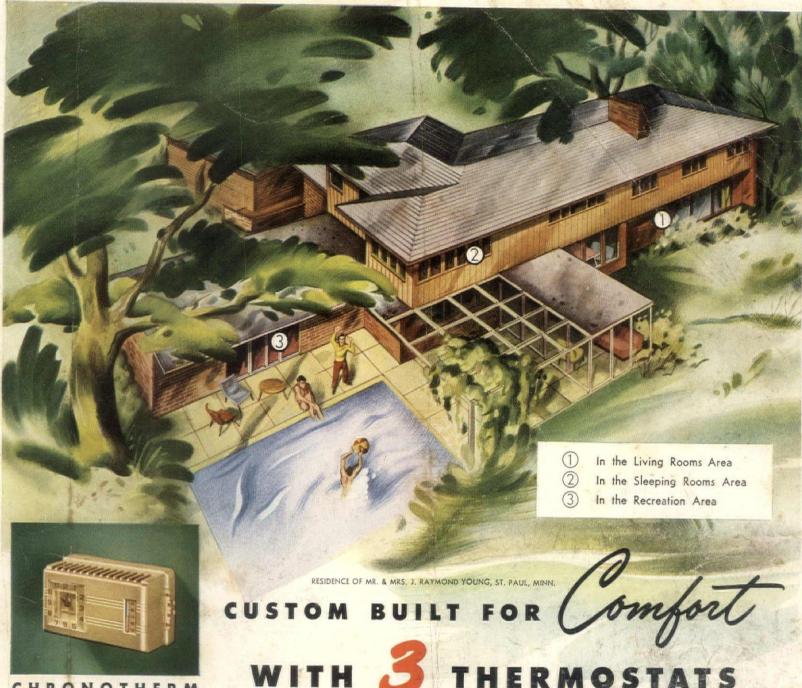


MIEHLMANN

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